

20010117.qrp v02_n070.qrl.20010117

Date: Wed, 17 Jan 2001 19:03:04 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2070

QRP-L Digest 2070

Topics covered in this issue include:

- 1) [88772] 2001 ARRL Handbook
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- 2) [88773] Fox Wed. Night Jan 17..
by Fred Lesnick <flesnick@tbaytel.net>
- 3) [88774] Truffle Hunt
by Shepherd@aol.com
- 4) [88775] Problem getting digest..
by Fred Lesnick <flesnick@tbaytel.net>
- 5) [88776] Breaker, y'all digits & another box on the desk
by nilsbull@juno.com
- 6) [88777] FOX- Hot Diggity -- Happy Dance!
by Kevin L Anderson <k9iua@juno.com>
- 7) [88778] FOX N7CQR Dan
by "Karl F. Larsen" <k5di@zianet.com>
- 8) [88779] RE: Alinco DX70
by wa4dou@excite.com
- 9) [88780] FOX: Cub Fox Draft Log 1/16/2001 0200Z
by John Wagner <john@neknetwork.com>
- 10) [88781] TRUFFLE: FP Truffle hunt early and only notice
by John Wagner <john@neknetwork.com>
- 11) [88782] Flying Pigs - First Group Project
by Brian <brian@iquest.net>
- 12) [88783] Norcal 40a for sale
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 13) [88784] Dan da FOX
by KB7WW Art Moe <kb7ww@chatusa.com>
- 14) [88785] Re: VXO/IF freq combo's
by "Donny Sirait" <dsirait@centrin.net.id>
- 15) [88786] K2 #946... More than ever
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 16) [88787] 2 QRP Rigs For Sale
by Ed Kessler <edkess@epix.net>
- 17) [88788] Chip Attenuators
by "Steven Weber" <kd1jv@moose.ncia.net>
- 18) [88789] FOX: Hunt #27 Announcement - N9AW
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 19) [88790] SW40+ Tuning Range

- by "Ken Kirkley" <ogbc@mindspring.com>
- 20) [88791]
by Rod Johnson <ka7you@juno.com>
- 21) [88792] Re: Kingman Reef QSLs
by "Adrian Weiss" <aweiss@usd.edu>
- 22) [88793] Re: info I received on tuners,feed lines,etc
by "Adrian Weiss" <aweiss@usd.edu>
- 23) [88794] FW: 20m Motel antenna ideas
by Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
- 24) [88795] OT-W7AQK's Ghost
by DYARNES@aol.com
- 25) [88796] antenna switching
by David Gilson <kd3em@velocity.net>
- 26) [88797] Re: VXO/IF freq combo's
by "w8diz" <w8diz@cinci.rr.com>
- 27) [88798] Antenna repost..SWR/coax,etc.
by RangerSF5@aol.com
- 28) [88799] FOX: another wild ride!
by Dan Presley <talljazz@teleport.com>
- 29) [88800] OT:Shortwave jazz
by Dan Presley <talljazz@teleport.com>
- 30) [88801] Re: FW: 20m Motel antenna ideas
by RangerSF5@aol.com
- 31) [88802] Re: info I received on tuners,feed lines,etc
by RangerSF5@aol.com
- 32) [88803] F.S. DSW-40
by "John" <jdsmall@sigeconet.net>
- 33) [88804] 80m Getting Even Better!
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 34) [88805] Re: Chip Attenuators
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [88806] F/S K2 with Accessories
by Jerry Haigwood <w5jh@swlink.net>
- 36) [88807] Palm Logging Program
by "Mark A. Andrews, KE4IOF" <KE4IOF@CitySpan.Net>
- 37) [88808] 70 foot pines
by K5BDZ@aol.com
- 38) [88809] Re: VXO/IF freq combo's
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 39) [88810] Re: 50 Ohm SM Power Resistors??s
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 40) [88811] The Truth
by "Jerry W. O'Dell" <jwodell@provide.net>
- 41) [88812] Re: OT:Shortwave jazz
by Euramcom <mel@euramcom.freemove.co.uk>
- 42) [88813] Re: F.S. DSW-40
by "John" <jdsmall@sigeconet.net>
- 43) [88814] Re: F.S. DSW-40

by "John" <jdsmall@sigeecom.net>
44) [88815] Re: Contest: NAQP Results K7RE
by Bill Coleman <aa4lr@arrl.net>
45) [88816] Re: Corroded Feedline & Snow on Ladder Line
by Bill Coleman <aa4lr@arrl.net>
46) [88817] Re: HeadPhones, What do you use?
by Bill Coleman <aa4lr@arrl.net>
47) [88818] Resettable Fuses?
by "Dennis Payton" <dpayton@fwi.com>
48) [88819] RE: HeadPhones, What do you use?
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
49) [88820] OT: WWII Spy Radio
by Kenneth Hoglund <hoglund@wfu.edu>
50) [88821] Re: How to...70 foot pines???
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
51) [88822] Klunky Schematic Drawing Web Page
by wd9eyb@butler.qrp.com
52) [88823] Re: OT:Shortwave jazz
by "Paul Harden, NA5N" <na5n@rt66.com>
53) [88824] MI QRP Net
by ed.kwik@delphiauto.com
54) [88825] Re: OT:Shortwave jazz
by Chris Trask <ctrask@primenet.com>
55) [88826] RE: Resettable Fuses?
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
56) [88827] Need help locating URL/& pill bottle tuner
by RangerSF5@aol.com
57) [88828] Re: The Truth
by RangerSF5@aol.com
58) [88829] RE: Resettable Fuses?
by "Ed Tanton" <n4xy@att.net>
59) [88830] RE: HeadPhones, What do you use?
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
60) [88831] For Sale NC-40a transceiver
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
61) [88832] RE: HeadPhones, What do you use?
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
62) [88833] Re: Corroded Feedline & Snow on Ladder Line
by RangerSF5@aol.com
63) [88834] Depressing shack accessory
by Rick Robinson <rerobins@email.uncc.edu>
64) [88835] Re: Depressing shack accessory
by "Jim Gelbort" <jamesgelbort@worldnet.att.net>
65) [88836] Re: OT:Shortwave jazz
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
66) [88837] Re: OT:Shortwave jazz
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
67) [88838] ARRL handbook 2001

by "Joe Trombino" <w2kj@earthlink.net>
68) [88839] Qth.net Down?
by "Don Wines" <dwines@tyler.net>
69) [88840] RE: HeadPhones, What do you use?
by "Gary Lee Phillips" <ka9nzi@arrl.net>
70) [88841] Re: OT:Shortwave jazz
by Chris Trask <ctrask@primenet.com>
71) [88842] Re: OT:Shortwave jazz
by Rick Robinson <rerobins@email.uncc.edu>
72) [88843] wire
by Anthony Felino <anthony@pacinfosb.com>
73) [88844] RE: CB Conversion Question
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
74) [88845] NETXQRP Club Meeting
by "Chuck Carpenter" <w5usj@globeco.net>
75) [88846] Re: OT:Shortwave jazz
by Bruce Muscolino <w6toy@erols.com>
76) [88847] Elecraft list - QTH.NET Down Temporarily
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
77) [88848] Re: Klunky Schematic Drawing Web Page
by Euramcom <mel@euramcom.freemove.co.uk>
78) [88849] Re: wire
by "Mike Yettsko" <myettsko@insydesw.com>
79) [88850] QSLdotNET is back up as of 13:37 EST
by "Ed Tanton" <n4xy@att.net>
80) [88851] ARRL handbook 2001
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
81) [88852] Re: ARRL handbook 2001
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
82) [88853] Klunky Schematic Drawing Web Page
by <wd9eyb@butler.qrp.com>
83) [88854] LED Lights and Pens
by "Paul G Kaczmarek" <Paul.G.Kaczmarek@USA.dupont.com>
84) [88855] NW QRP Net, tonight!!!
by "W7TRX" <w7trx@mindspring.com>
85) [88856] Klunky Schematic Drawing Program
by wd9eyb@butler.qrp.com
86) [88857] Re: OT:Shortwave jazz
by William R Colbert <w5xe@juno.com>
87) [88858] OT: WWII Spy Radio
by William R Colbert <w5xe@juno.com>
88) [88859] Re: OT:Shortwave jazz
by "Dave Benham" <dodgeboy@mindspring.com>
89) [88860] Home Brewing Really Open-Wire Feedlines
by W2SH@aol.com
90) [88861] Antenna Restricted
by "Larry Spinner" <n2icz@hotmail.com>
91) [88862] Current Draw in K1, Interesting Results

- by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 92) [88863] Re: Antenna Restricted
by "ZOOM" <kandRparker@sympatico.ca>
- 93) [88864] 070 Club issues QRP Endorsement
by "Pastor-KC1DI" <elbc@pivot.net>
- 94) [88865] Hearing CW in strange places
by Rick Robinson <rerobins@email.uncc.edu>
- 95) [88866] Re: Antenna Restricted
by "W5TB - 'Doc' Drake" <w5tb@softhome.net>
- 96) [88867] Many thanks to Chris opr VE7HCB here's the URL's
by RangerSF5@aol.com
- 97) [88868] RE: Hearing CW in strange places
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
- 98) [88869] REI LED Headlamp
by Brian Mileschosky <n5zgt@swcp.com>
- 99) [88870] Re: Depressing shack accessory
by "Dan W. Dooley" <dandooley@pipeline.com>
- 100) [88871] Goomb's *NOT* coming to Encounter 2001
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 101) [88872] Re: Hearing CW in strange places
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 102) [88873] 80M loop up, finally!
by "John L. Sielke" <w2agn@pobox.com>
- 103) [88874] Re: Home Brewing Really Open-Wire Feedlines
by "Dan W. Dooley" <dandooley@pipeline.com>
- 104) [88875] Corrosion on stranded wire, or Antenna, does it REALLY impede
radiation?
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 105) [88876] RE: Hearing CW in strange places
by Richard Matthews <prm@hiwaay.net>
- 106) [88877] Re: Antenna Restricted
by Bruce Muscolino <w6toy@erols.com>
- 107) [88878] Re: Hearing CW in strange places
by Bryn Joynes <bryn@pcpractice.com>
- 108) [88879] Re: Hearing CW in strange places
by Brendan Minish <EI6IZ@oceanfree.net>
- 109) [88880] Re: Hearing CW in strange places
by "Bob Tellefsen" <n6wg@earthlink.net>
- 110) [88881] Re: Hearing CW in strange places
by BenNW7DX@aol.com

Date: Tue, 16 Jan 2001 19:24:21 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [88772] 2001 ARRL Handbook
Message-ID: <B68A5065.1C2B%raysills@1stConnect.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang:

Well, after all the talk about getting the 'book at B&N.. I went to my local store.. and (yes) they had it in stock. The price: \$8.00. Plus tax, it came to \$8.48. Now, that's pretty good for a new handbook!

73 de Ray
K2ULR
FN20t1

Date: Tue, 16 Jan 2001 19:28:10 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [88773] Fox Wed. Night Jan 17..
Message-ID: <3A64E719.27E2228@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I will be the Fox Cub on Wed night Jan 17/01(Jan 18 z). I will be on at 0200 z on 7.141 and listening up 1-2....So will look forwrd to working many of you hounds again...Hope conditions are better then they have been..... See you all tomorrow night...

Fred
VE3FAL

Date: Tue, 16 Jan 2001 20:47:48 EST
From: Shephed@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [88774] Truffle Hunt
Message-ID: <a9.1065c9f5.279653c4@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Ron, N8VAR is CQ'ing now on 7.043!

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-l #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Tue, 16 Jan 2001 20:53:56 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88775] Problem getting digest..
Message-ID: <3A64FB34.E67F9576@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not sure what is going on, or if my server is acting up..But I am not getting any messages from QRP-L...I have tried to subscribe but get no messages back, and if I do I get an error message..I had all of my mail going to a hotmail account as I had no computer for a spell. But I want to get the messages at this email account again..I already unsubscribed from my hotmail account....Any ideas..Email direct.

Thanks
Fred
VE3FAL

Date: Wed, 17 Jan 2001 01:53:44 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [88776] Breaker, y'all digits & another box on the desk
Message-ID: <20010117.015429.-13717.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

No, I did not go out and get a Panasonic SuperBandSplatterer with Robot & Roger Beep. I'm just still thinkin' about a posting on one of the

digithead lists from someone in Grand Britania who was interested in running MFSK or Hellschreiber or something like that on 11 meters. Actually asked for advice on where to plop down on the band & gibber with peeps.

Me, on the other hand, just managed to build and not destroy or blow up the computer at the same time, another little black box for the top of the desk what allows me to switch the mic input to the SG2020 between the computer's sound card interface thingie and the regular microphone what Dad stuck in front of my face over 50 years ago. (No, it ain't got the same element as back then . . . it's got a hands free cell phone element in it . . . kicks butt too.)

I've pretty well set up the '2020 as the digit head radio. It appears to run cool enough (1 to 2 W maximum is all I ask it to do) and feed the homebrew leen-year to about 15 W for general digitizing. This box doodad allows me to have one hose runnin' to the radio & all the other hoses shifted around and neatly dressed so I don't have to unplug the mic hose & put the digit head mic hose on everytime I want to be 20 db below mental telepathy & still make Qs.

In the process of all this I discovered that I'd hosed up between the SWR bridge & the antoona tenner with a chunk of RG59 what had crawled in from somewhere. Which means that I'll be redressing cables after I make some new patches between all the stuff.

I discovered last night that I could sit here & pound the keys while listening to my new Horace Silver CD. Kinda weird, when you think about it. Sittin' here jammin' with some peeps around the planet on weird soundin' data modes while listening to my favorite music of the moment. Almost like now with Danilo Perez going in the background & me typing this egoboo atcha.

If we get freezing rain tomorrow I'm gonna put up a new antenna.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

"In MY day we had to FIGHT to have earphones! Every DAY was a STRUGGLE!"

-- Comrade Nikolai Sergeievich

McTovarishov, 19 Oct 1917

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Date: Tue, 16 Jan 2001 21:17:36 EST

From: Kevin L Anderson <k9iua@juno.com>

To: qrp-1@lehigh.edu

Subject: [88777] FOX- Hot Diggity -- Happy Dance!

Message-ID: <20010116.201539.5367.0.K9IUA@juno.com>

Wow. Sorry to brag, but I just scared everyone in the house. I mean I scared them with my shouts...

I was NOT expecting to get the Fox like this. Chose to work him 2khz up ahead of time (based on his message the other day) and dialed in the RIT, and then tuned down through all the baying hunter until I found him. Heard Dan work Doc and one other -- then I threw in my call on a whim.

"IU?" the ether replied.

"K9IUA" sent I.

"AGN?" came back the ethers.

"K9IUA K9IUA" sent I.

Boom....well you know the rest.

The ether can talk in some marvellous tunes.

Anyway -- "Hot Diggity" I shouted, plus a few other sounds. "Are you alright?" the folks in the house called back. "I thought you'd hurt yourself", the house called back again. Happy Dance....

Here is wishing the same thrill to all you other new and returning fox hunters. (Now to sweat out to see if indeed I am in the log.) Dan is doing a marvellous job running with partial calls and coming back right away. Good job!

Cool. Now what do I do for the rest of the evening? The Jazz program is not on PBS tonight -- Frontline instead, and I even bought a blank tape today so I wouldn't miss any of the Jazz show. I guess I'll read e-mail instead.....

Cheers/73. Kevin, K9IUA

Kevin Anderson, K9IUA, Lincoln/Bismarck ND
e-mail: K9IUA@juno.com Opinions all my own.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 16 Jan 2001 19:28:48 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [88778] FOX N7CQR Dan
Message-ID: <Pine.LNX.4.31.0101161922020.1130-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well 40 is good tonight. Dan was peaking 599 in Southern NM and 18 after the hour he heard me. We had the traditional exchange and he needed a fill on my name. So the Fox Terrors are on the way to another sweep but alas Tim K5OI has to be elsewhere.

That darn irritated old man who hates to see others having fun has put his QRO teletype signal on the Fox again tonight. It's for sure not jamming from Iran. It's someone closer. If you receive the teletype very loud like maybe it's in town, please let me know. It's legal to have teletype on the frequency but not legal to interfere with intent.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 16 Jan 2001 18:38:42 -0800 (PST)
From: wa4dou@excite.com
To: rmccarty@earthlink.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88779] RE: Alinco DX70
Message-ID: <19359559.979699122508.JavaMail.imal@bubbles.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Roger,

I'm with you on this one, i don't like relay chatter, especially relay chatter at a cw rate, whether i can hear it or not is immaterial. Once upon a time, relays of very high quality were made to withstand 1,000,000 operations. How fast do you think 1,000,000 operations would occur at a cw rate?

Like you, i use semi-break-in cw and find it adequate for all occasions, even dx pileups and contesting, simply by varying the delay time appropriately. QSK with diode switching is the only way to go, if you want QSK.

Don't like Alinco H.F. products at all. Harsh sounding audio, broad filters, leakage around the filters, they seem very much like products produced by designers who need more years of experience.

Several reports of problems with PA transistors too. Too many features for too little money, its a dead giveaway.

K2 is world class performance for essentially no more money. T/T Scout, lots of fine used rigs to chose from with better performance, etc. 73 Roy WA4DOU

On Tue, 16 Jan 2001 07:40:01 -0800, rmccarty@earthlink.net wrote:

> I once had a current model radio, that also made quite a racket from the
> relay. Frankly, being from the "Old School", I did not notice it

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<http://www.bluemountain.com/giftcenter/>

Date: Tue, 16 Jan 2001 22:07:47 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88780] FOX: Cub Fox Draft Log 1/16/2001 0200Z
Message-ID: <3A650C83.65F3EEF7@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here is my draft log for the Cub Fox 1/16/2001 0200Z-0400Z.

But first, the Soapbox:

I had everything all set for this go 'round, including trying something new: I've used my laptop and digipan in the Fox hunt, but never tried as the fox. I figured it would help me find the weak ones - it did (more later).

Setup was my Icom 746 at 5w, MFJ tuner and two antennas; Horz loop (400' of wire) fed with ladder line up about 45' and 40m ground mounted (about 6" off the ground at the bottom) wire vertical with 3 radials about 6" off the ground and covered in 3 feet of snow at the moment. I started off with the loop and spot on 7.141Mhz.

The pack of hounds was pretty thick at the start and I started working them up about 1Kz, maybe a little more at times. I worked my way down and the pack thinned out pretty quick. Then I switched to the vertical - the midwest and beyond came alive!

I stayed with the vertical for a good long time and when things quieted down I switched back to the loop and handed out a few more pelts. Then I pretty much switched back and forth at random until the hunt was over.

I was great to hear the regulars - it's funny 'cause I fill in the name and QTH automatically now! AF4PS Mac down in FL, K0EVZ Doc in ND (who was LOUD!!!), N4ROA Dan in VA. W0CH Dave in MO, who is right up there in the standings as well as W9WIS Mike in WI. K5DI Karl, N8VAR Ron, KB9BVN BRIAN, and on and on. Thanks guys for showing up and making it a memorable evening.

The noise level was incredible at times. There was something a few Khz down that was a constant annoyance. By the time I was done my ears were ringing like crazy. I didn't break 50 pelts, but that's OK, it was fun for the entire two hours.

A word about using digipan; I worked a couple hounds that I wouldn't have heard without seeing them first. I could see a faint trace on the waterfall but hear nothing. I used the DSP and notch filter on my 746 and watched on the waterfall as I zeroed in on their signal. AJ4AY is one I worked this way- even with all the mustard the radio could give me, he was tough copy. But without digipan there is no way I would have seen...umm...heard him. I strongly recommend it.

Thanks again, please email any corrections directly to me. 73,

John, KB1ENS
Holland, VT

0201 WB8ICN 579 MI MIKE 5W
0202 AF4PS 559 FL MAC 4W
0204 K0EVZ 569 ND DOC 5W
0211 N4ROA 559 VA DAN 4W
0213 K8CV 559 MI WALT 5W
0215 W8YMO 559 OH HARRY 5W
0218 N5MLQ 559 ? ? 5W
0220 KU4TN 559 VA JAMES 1W
0223 W0CH 559 MO DAVE 5W
0226 N8VAR 559 OH RON 5W
0228 W0PWE 559 IA JERRY 5W
0231 AA7EQ 559 AZ ROB 5W
0234 KG0CA 559 MO JIM 5W
0236 K5DI 549 NM KARL 5W
0238 KV4EE 339 SC CRAIG 5W
0241 K9IUA 559 ND KEVIN 5W
0243 K4UD 449 SC ROB 5W
0245 N1TP 559 FL TOM 5W
0247 N9WW 559 IL JIM 5W
0250 KK5LD 559 TX DAN 5W
0251 WA9PWP 569 WI PAUL 5W
0253 WE9K 559 WI GLENN 1W
0255 W5YR 559 TX GEORGE 5W
0256 KB9BVN 559 IN BRIAN 5W
0258 KI0II 579 CO RON 5W
0300 KB9YIG 559 IN TONY 2W
0303 N0KLV 559 MN KEVIN 5W
0305 N04D 449 SC KEN 5W
0307 W5USJ 559 TX CHUCK 2W
0313 N0HRL 559 MN KEN 5W
0316 AJ4AY 559 AL JAY 5W
0320 N4M? 559 NC BRYAN 5W
0323 AF4LQ 559 KY MIKE 5W
0324 AC5JH 559 OK TOM 5W
0326 WV9N 559 OH RANDY 5W
0330 K5OI 559 NM TIM 5W
0335 W9WIS 559 WI MIKE 5W
0340 K4TJD 559 GA TOM 5W
0345 KC0GXX 559 NE TOM 10W
0357 N0TU 559 CO STEVE 5W
0400 KB1ENS 559 VT JOHN 5W

Date: Tue, 16 Jan 2001 22:16:56 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88781] TRUFFLE: FP Truffle hunt early and only notice

Message-ID: <3A650EA8.ADC66866@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings!

I will be the FP Truffle Thurs Jan 19, 2001. Starting at 8:30PM Eastern (adjust for your timezone) 'till 9pm at the start of the Fox hunt. I will setup at 7.041+- and listen up 1Khz working down and be on my freq for the last ten minutes. Setup will be my K-1 serial #something.or.another and previously described antennas from the cub fox hunt.

Exchange is the same as the fox hunt, except those with FP truffle numbers may send them (I don't have one, my exchange will be 559 VT JOHN 5W). Please keep your speed in the low to mid 20wpm range.

Hope to hear you!

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Personal Web page: <http://www.together.net/~jwag>

Date: Tue, 16 Jan 2001 22:10:47 -0500

From: Brian <brian@iquest.net>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [88782] Flying Pigs - First Group Project

Message-ID: <3A650D37.AD0475CE@iquest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi gang,

The Flying Pigs QRP Club International is about to begin it's first group building project. If you'd like to follow along, just vist our project website.

The project is a nice all band transceiver, ugly style. If you know W8DIZ and have seen his homebrew rig called the Multipig, then you will know what I'm talking about.

Anyway, take a peek if you want. We'll be updating it about every day. We're just getting started so feel free to join in and follow along. The group is closed as far as group parts buys, but nothing is stopping you from scrounging your own.

Get in on the fun, and maybe the next project we do we can open it to more folks.

73 de KB9BVN/QRP

<http://www.fpqrp.com/pigg20>

--

```
=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
    39.558 N   86.095 W   Johnson Co., Indiana
    GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
    Member of the American Radio Relay League - SOC #400
    FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====
```

Date: Tue, 16 Jan 2001 22:28:16 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [88783] Norcal 40a for sale
Message-ID: <200101162228_MC2-C1FA-9957@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Have reluctantly decided to part with one of my Norcal 40a rigs. This is=
a
truly FB rig in excellent condition. It is an exceptional rig for your
home shack, for travel, or for backpacking. Has one of the lowest curren=
t
receivers ever, so a gel cel seems to run it forever. Two (2) watts out.=
=

This rig is a proven FOX hunter this season (3 pelts). Includes a built-=

in
KC-1 keyer/frequency indicator with controls on the rear of the rig. I
have all documentation for both the rig and the KC-1. =

Price, including insured shipping to your address in the Lower 48 =3D
\$145.00. =

72,
--Doc/K0EVZ

Date: Wed, 17 Jan 2001 03:35:23 -0800
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [88784] Dan da FOX
Message-ID: <3A65837B.E6FD0C66@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't give up guys and gals. I am a few miles from Dan and can still
hear lots of stations calling. Dan is doing a good of finding
stations in the qrm qrn

Art
KB7WW

Date: Wed, 17 Jan 2001 08:46:58 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88785] Re: VX0/IF freq combo's
Message-ID: <007e01c08037\$e1079120\$b1f992ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Friends,

>

80M - What is the best combo according to your experience?
> 40M -- 11.059 MHz VX0, 4 MHz IF
> 30M --14.31818 Mhz VX0, 4.194304 MHz IF
> 20M -- 9.00 MHz VX0, 5.0688 MHz IF

> 15M -- 16.00 MHz VXO, 5.0688 MHz IF
> 17M -- 22.1184 Mhz VXO, 4.000 MHz IF
10M - What is the best combo according to your experience?

The other question is what type of crystals do you use for
or probably the best for the super vxo, paralel or series resonant?

Thanks for the kind attention.

vy 72 de YB1B0D
Donny Sirait
Bekasi Indonesia

yb1bod@arrl.net
<http://www.egroups.com/group/ybqrp>

Date: Tue, 16 Jan 2001 22:47:19 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: scanner@home.com, scum@home.com, elecraft@qth.net, "njqrp@njqrp.org"
<njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [88786] K2 #946... More than ever
Message-ID: <3A6515C7.CBA32F0D@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

K2 #946 now does SSB. I am up out of the basement for some operating
time and then its back downstairs to add the ATU.

This is a very very very fun radio.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 16 Jan 2001 23:23:17 -0500
From: Ed Kessler <edkess@epix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88787] 2 QRP Rigs For Sale
Message-ID: <5.0.2.1.0.20010116231619.00a18410@mailhost.epix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

A bit of shack cleaning . . .

1. 624 15m Transceiver (aka Breed transceiver). This radio is brand new, except that I built it. :-) I bought it as a kit on ebay and put it together. Excellent receiver; puts out about 3w. \$125 shipped.
2. MFJ Cub 40m Transceiver. Has one mod: I added an RF gain control pot on the back panel which makes the rig very usable on 40m at night. Includes an installed Tick 1 keyer. \$90 shipped.

Thanks for the bandwidth.

As always . . . looking for a 20m or 40m DSW to buy or trade.

73
Ed AA3SJ

Date: Wed, 17 Jan 2001 00:13:48 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [88788] Chip Attenuators
Message-ID: <200101170447.XAA06853@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I happened to notice Digi-Key has 0404 sized, 50 ohm, smt chip attenuators, in 1,2,3,4,5,6, and 10 dB steps. Cheap, 19 cents each in 10's. They can only handle 40 mw, so only good for say signal generator attenuators. (or real QRPpp work)

I'm thinking some of these and a Pericom dual 1-4 bus mux chip would make an interesting step attenuator...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 17 Jan 2001 04:50:01 -0000
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>, "W9XU, Lon"
<Lon.Richoz@amermsx.med.ge.com>, "AE9K, Brian" <ae9k@yahoo.com>, "NK9G, Rick"
<rmcgaver@wi.rr.com>
Subject: [88789] FOX: Hunt #27 Announcement - N9AW
Message-ID: <012401c08040\$f4882800\$205fcfa9@Pjerrys>

Here we go again. I will be the FOX Thursday night local time, January 18, 2001, from 9p-11p EST, 8p-10p CST, 7p-9p MST and 6p-8p PST. Propagation has been outstanding on 40 meters lately and the noise level very low so I am looking forward to the hunt.

Transmit frequency: between 7041 - 7042
(if the buzzsaw QRM cranks up that night though I may drop down below 7040 around 7036 or so)

Listening frequency - UP .5 to 2 kHz.
I will NOT be listening on my frequency. Please spread out. I will move closer to my transmit frequency when the pile-up dies down and also late in the hunt for those with no or limited RIT/XIT.

Exchange: <your call> 559 WI Jerry 5W <your call> BK

72
Jerry N9AW

Date: Tue, 16 Jan 2001 23:50:04 -0000
From: "Ken Kirkley" <ogbc@mindspring.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [88790] SW40+ Tuning Range
Message-ID: <002b01c08017\$0cf59c80\$79b8f7a5@default>

Completed my SW40+ kit last week and had a tuning range of 7020-7060. Added the RIT option to it today and now my tuning range is 7025-7050. Would/could

the RIT affect the tuning range, or did I disturb a component/s on the board while adding the RIT?

Thanks,
Ken/N04D

Date: Tue, 16 Jan 2001 21:33:19 -0800
From: Rod Johnson <ka7you@juno.com>
To: qrp-l@lehigh.edu
Message-ID: <20010116.213322.-3872225.2.ka7you@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 17 Jan 2001 07:55:19 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [88792] Re: Kingman Reef QSLs
Message-ID: <G7ALTC00.14Q@mail.usd.edu>

Dan: Patience! 80K QSO's! It will be a while!

72, ADe

Date: Wed, 17 Jan 2001 08:10:01 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [88793] Re: info I received on tuners, feed lines, etc
Message-ID: <G7AMHU01.D57@mail.usd.edu>

Hi Bob & Gang:

The first half of statement #1 is corrent. However, you may have misunderstood the second half.

A TUNER AT THE TRANSMITTER END OF THE FEEDLINE HAS ABSOLUTELY NO EFFECT ON THE FEED POINT IMPEDANCE OF ANY ANTENNA, RESONANT OR NOT!!!! THE FACT OF THE MATTER IS THAT THE ANTENNA'S PHSYICAL DIMENSIONS (including height, radiator diameter, etc) AND ONLY THOSE PHYSICAL DIMENSIONS, DETERMINE ITS FEEDPOINT IMPEDANCE AT A STATED FREQUENCY!!!

(I suspect that I'll get a few rebuttals on this point, but I can state in advance that any statement which disagrees is simply dead wrong, as this has been known for over 70 years.)

THAT IS THE IMPEDANCE THE FEEDLINE IS GIVEN TO WORK WITH. THE FEEDLINE ITSELF FUNCTIONS AS AN IMPEDANCE TRANSFORMER. ONLY AN EXACT HALFWAVE (or multiple thereof) LENGTH OF FEEDLINE WILL REPRODUCE THE ANTENNA TERMINAL IMPEDANCE AT ITS END. IN SOME CASES, THE TUNER CANNOT HANDLE THE IMPEDANCE PRESENTED BY A PARTICULAR LENGTH OF FEEDLINE. SHORT (ELECTRICAL) LENGTHS OF FEEDLINE CAN BE ADDED TO CONTINUE THE IMPEDANCE TRANSFORMATION PROCESS TO A RANGE WHICH CAN BE HANDLED BY THE TUNER.

For example, the SDRV234 base impedance on 40m is such that a 75-ft section of RG8X cannot be completely nulled by the ZM-2 tuner. The addition of 13-ft to the original 75-ft section permits a complete nulling (i.e., 1:1 SWR) on 40m. Other tuners establish a 1:1 SWR match without problem. The ZM-2 is designed primarily to handle balanced feedlines. It doesn't handle some ranges of impedance presented by unbalanced coax feedlines.

Again, what a pile of powerful signals going for the FOX tonight. I am always amazed at the signal levels. What I can't figure out is why I usually work the FOX after a couple of calls with a less-than-impressive 559 report, and all those 57/8(yes)9 sigs keep cdalling and calling. Whatever the explanation, I like it!

72, Ade

"1. Everyone agreed that the tuner gives the TX a 50 ohm load to look at and also changes the feed point of the non resonate antenna."

Date: Wed, 17 Jan 2001 06:28:09 -0000

From: Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>

To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [88794] FW: 20m Motel antenna ideas
Message-ID: <95509081DF6CD411B2C700D0B7848012DAFBE7@Mohawk.luke.af.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Trying again, don't think this one went out the first time. Hope this info helps.

72,
Mike, N4VBV in Phoenix

-----Original Message-----

From: Majority Mike Capt 56 TRS/IP
Sent: Tuesday, January 16, 2001 4:08 PM
To: 'ku7y@qsl.net'; Low Power Amateur Radio Discussion
Subject: RE: 20m Motel antenna ideas

Ron, et.al.,

B & W makes a small portable antenna (the AP-10) that has an extendable mast, a mount, various coils (40m, 30m, 20m, 15m, 10m (and I THINK 12m/17m)), and a roll-up counterpoise that has markings at the correct length for each band. Will also work on 6m and 2m. Have used this one in Germany for Stateside QSO's (ok, during the last sunspot high!) and at my parent's QTH in KY for lots of 40m QSOs. Can fit in a small package, fairly inexpensive, easy to set up/tear down, and works. The web site is:
<http://www.bwantennas.com/ap10a.htm>.

72,
Mike, N4VBV in Phoenix

-----Original Message-----

From: Ron, KU7Y [mailto:ku7y@qsl.net]
Sent: Monday, January 15, 2001 7:23 PM
To: Low Power Amateur Radio Discussion
Subject: 20m Motel antenna ideas

Hi All,

Someone asked for ideas about a simple antenna to take into a hotel/motel room.

Here is one that I have used with success. I'll leave it to the folks that understand antennas to tell if it ****should**** work or not! And I am NOT

making any fancy claims about it. Heck, I may have lost more power than I radiated but at least I made QSO's! :-)

Anyway, take a few (I used 5) wires that are about 16' long.

Lay out all but one on the floor and connect together in the center using wire nuts. (You knew that was coming, right?)

Take the one remaining wire and put one end as high as you can get it. I often use a window curtain rod as the top support. Wind the left over vertical wire around most anything that isn't metal. I have used chair legs, toilet paper rolls, plastic pipe and a fishing rod. This gives you something like a loading coil at the base of the vertical.

Again using wire nuts, connect the center conductor of a short piece of coax to the vertical element at the bottom of the coil and connect the shield to the center point of the radials. Wire nuts work fine but I have even just twisted the wires together when I didn't have the wire nuts.

Now connect the coax jumper to a antenna tuner and have fun.

I run the radials around as best I can. Sometimes they have been just "wadded" up here and there.

But I have made many QSO's that way.

Simple. Cheap. Easy to carry.

Efficient?? I doubt it. But see the last sentence! :-)

And in many of the old handbooks there was a little antenna made from a car antenna. One of the old ones that you had to pull up to get the weak stations. Anyway it was connected to a air wound coil that had a tap on it and a big variable cap.

With the addition of some SWR detection circuit that should also work if you want something more "correct"! :-)

OK, I'm back in my hole.....

cul, Ron KU7Y

Full time RVing somewhere in the West!

(Currently near Quartzsite, AZ)

A Proud AZScQRPion

A gun in the hand is better than a cop on the phone

Date: Wed, 17 Jan 2001 03:07:05 EST
From: DYARNES@aol.com
To: qrp-1@lehigh.edu
Subject: [88795] OT-W7AQK's Ghost
Message-ID: <d2.123b92d.2796aca9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

I know this is off topic, but since a QRP QSO lead to this I thought there was some sufficient nexus. anyway, I mentioned in a previous post about a QSO I had recently wherein I worked the other station with both my K1 and my FT-817, the first QSO's the other station had heard using either of these radios although he has a K2 and a K1. The other half of the QSO was Steve Buroker, W7QC who lives in the Seattle area. (Well, actually, his address is in Sammamish, WA, but don't let that fool you! It just sounds like he lives in the wilderness, but he's a bona fide city boy cuz he lives on 244th St!!!!)

In addition to having a very pleasant rag chew with Steve about QRP stuff, it turns out that Steve's dad, the original W7QC, was part of a "breakfast club" group back in the mid 30's that included the original W7AQK. That was a fella named Art Dunkle who lived in Kellogg, Idaho. So Steve sends me his QSL card plus a photocopy of a certificate which has pictures of all these guys who were part of the group, and also a list which shows their names, calls, and what they do for a living. There is also a brief explanation, by W7AQK, about how the group got formed. This was quite a group too. About 35 names and calls are listed, and they are scattered all over the northwest including Canada (about 1/3 of them were canadian, mostly in Alberta, and back then they had VE4 calls instead of VE6). Quite a mix of vocations as well--a couple of doctors, a locomotive engineer, a dairyman, a RR telegrapher, a mortician, a casket maker, a student architect, etc. Steve's dad was a municipal plant manager, and Art Dunkle was an electrician. Fascinating!

Now I first got this call, W7AQK, back in 1955 when I lived in Oregon. It wasn't long before I heard from one or two other hams that the original W7AQK was from Idaho. But now I know what he looks like! I wonder how many of you who have calls that were previously held by someone else know anything about the previous holder. There is something really significant about adding a face to that call. I'm afraid this is about to send me on some kind of geneology search!

Hope this didn't bore you too much.

72 de Dave W7AQK

Date: Wed, 17 Jan 2001 09:29:35 +0000
From: David Gilson <kd3em@velocity.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88796] antenna switching
Message-ID: <3A651FAF.30258052@velocity.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just want to say THANKS to all with the many and wonderful suggestions on how to remedy my antenna coax problem. Many thanks and you all have a great day and good dx.

David Gilson KD3EM
QRP ARCI #8126
HW-8, HW-9, TS-570SG
K1 [in the mail as we speak]

Date: Wed, 17 Jan 2001 05:41:00 -0500
From: "w8diz" <w8diz@cinci.rr.com>
To: <dsirait@centrin.net.id>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [88797] Re: VX0/IF freq combo's
Message-ID: <003801c08071\$fc8ea340\$7ecd1b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Donny,

The miniPIG-10 uses a 20 MHz for the VX0 and 8.064 for the IF.
Combined, it has a range of 28057 to 28067.
<http://ua70.faithweb.com/minipig/>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FPqrp#-1 <http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

----- Original Message -----

From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, January 16, 2001 8:46 PM
Subject: Re: VX0/IF freq combo's

Dear Friends,

>

80M - What is the best combo according to your experience?
> 40M -- 11.059 MHz VX0, 4 MHz IF
> 30M --14.31818 Mhz VX0, 4.194304 MHz IF
> 20M -- 9.00 MHz VX0, 5.0688 MHz IF
> 15M -- 16.00 MHz VX0, 5.0688 MHz IF
> 17M -- 22.1184 Mhz VX0, 4.000 MHz IF
10M - What is the best combo according to your experience?

The other question is what type of crystals do you use for
or probably the best for the super vx0, paralel or series resonant?

Thanks for the kind attention.

vy 72 de YB1B0D
Donny Sirait
Bekasi Indonesia

yb1bod@arrl.net
<http://www.egroups.com/group/ybqrp>

Date: Wed, 17 Jan 2001 05:42:52 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu, antennas@qth.net
Subject: [88798] Antenna repost..SWR/coax,etc.
Message-ID: <3f.f64f4ad.2796d12c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
After all the input I received I had this sent to me.
Now from all the other mail I received this one tells me different.'
It also conflicts on what I read on some sites about antennas.
Anyone care to give more input on this topic?

Bob

WA2HOQrp <tm>

Bob,

You only get RF on the outside of the braid if the length of coax is an odd multiple of quarter wave at the frequency you are using. Whether the antenna is resonant or not has NOTHING to do with outside the braid radiating RF. You do not get RF there, except as quarter wave makes the upper feedpoint a high impedance looking back at the coax braid.

YOU can coil some coax at the feed point to make a cable choke to help keep RF off the outside braid, or use a store bought balun or make up a balun from the Wireman's kit, or Amidon's kit. Yes, you are only tuning the transmitter to 50 ohms, with transmatch. The antenna and feedline are being matched as a unit at transmatch end, but there is still SWR at the feedpoint on the antenna.

Note also, there are two settings with a Tee circuit tuner like the commercial one you mention. You need to see which setting gives most field strength out of antenna and make sure one setting does not add to shield radiation if your coax length gets near to a quarter wave at the frequency in use.

Date: Tue, 16 Jan 2001 23:54:07 -0800

From: Dan Presley <talljazz@teleport.com>

To: qrp-l@Lehigh.EDU

Subject: [88799] FOX: another wild ride!

Message-ID: <v0300780ab68afa8048d5@[216.26.60.106]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Man oh man! Well, it never let up tonight-I think the whole world was calling :). The log will follow shortly as soon as I get back my hearing. I was at the qth of KA7OZO (Oregon City-south of Portland) with his 90' rotatable dipole, and the the able assistance of Mike KK7GG with logging chores. He wanted to hear what it was like on the fox end for a change, and more than once, we just had to stop and laugh out loud at the unbelievable pileup! At one point he asked me if I had the tightest filter on the K2 switched in, because there seemed to be a lot sigs stacked up. I hit the filter button to jump from the 100 Hz (tightest) to the 1.5 Khz just to show him, and the roar caused dogs to bark and Mike to damn near fall out of his chair. We both started laughing again because it was so crazy! Propagation was everywhere, so it seemed, with guys jumping in from all corners of the country.

Some highlights: worked a qro guy who must have stumbled onto the event as he didn't know the exchange and couldn't figure out why I wanted his power :). Also, got WE9K and AE9K both of WI back to back-this time I won't

mix you two up as I did last time!

I did have problems again with my CMOS III leading to some erratic exchanges-I think it must be operator error. I have it set to send the exchange, and then pause so I can send the hounds' call, and then punch the button again to send 'BK' (this is using the embedded 'R' command in the keyer). Seems like about half the time it would be fine, and then when I went to punch it to send 'BK', it would start the exchange over again causing me to hit the paddle and manually send 'BK', making me feel pretty stupid! Anyone got any ideas if your CMOS acts like this??

Thanks again to all you patient hounds, and to the fox committee, and to Tom N1TP for all the help, as well as KA7OZO and KK7GG. See you down the log.

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Wed, 17 Jan 2001 00:09:54 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@Lehigh.EDU
Subject: [88800] OT:Shortwave jazz
Message-ID: <v0300780bb68b00299d47@[216.26.60.106]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is somewhat off topic, but Kevin, K9IUA's post about the foxhunt and jazz show brought this to mind. As some of may know, I am a professional jazz musician (helps to homebrew on my salary!), and have greatly enjoyed the PBS series on Jazz which is airing currently-if you've missed it, give it a look even if you don't like or know about the music as it is a wonderful history of our country and culture. Now for the radio connection: show #3 talks about John Hammond, who helped to discover and promote many great jazz players and bands, and one of the ways he did this was by a lot of radio listening. He had a shortwave radio installed in his car in order to hear stations around the country (and world). In the '30's there were a fair number of domestic shortwave relay stations from towns in the midwest and south that would air local programming including live broadcasts from clubs,dances, etc. This is how he discovered Count Basie's band in a broadcast from Kansas City, and then he tracked them down and signed them to a record deal-the rest is history!

One of the best jazz shows in the 60's was from the VOA by Willis Connover, a great DJ who knew his jazz, and I also listened to Radio Moscow and Radio Havana for great music-somewhere there's an FBI file on me for qsl'ing these stations in the 60's :)

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Wed, 17 Jan 2001 06:11:04 EST
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [88801] Re: FW: 20m Motel antenna ideas
Message-ID: <cb.d49845f.2796d7c8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/17/01 7:32:51 AM W. Europe Standard Time,
mike.majority@luke.af.mil writes:

<<

B & W makes a small portable antenna (the AP-10) that has an extendable mast, a mount, various coils (40m, 30m, 20m, 15m, 10m (and I THINK 12m/17m)), and a roll-up counterpoise that has markings at the correct >>

I may be wrong but I think when that antenna first came out it cost \$39.95 and also had a tuning cap.

Now it's up to \$84.95 and no tuning cap.

You have to buy coils.

I used a pole with the U.S FLAG attached and added to the pole for a total of 15 feet.

The coil was 2" in DIA. @ 90 turns of # 24 GA wire.

Later I added a 350 PF cap and I think I had \$20.00 invested because I had to buy the wire for the coil.

73 Amateur Radio Today, (OCT, 1993) has an excellent article on building a short 20 meter dipole appx 17 feet long.

I also built that and still use it.

It covers the whole band and no tuner needed.

Bob

WA2HQrp <tm>

Date: Wed, 17 Jan 2001 07:15:04 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu, antennas@qth.net
Subject: [88802] Re: info I received on tuners, feed lines, etc
Message-ID: <94.ed7205e.2796e6c8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/17/01 7:12:17 AM W. Europe Standard Time, aweiss@usd.edu writes:

<<

A TUNER AT THE TRANSMITTER END OF THE FEEDLINE HAS ABSOLUTELY NO EFFECT ON THE FEED POINT IMPEDANCE OF ANY ANTENNA, RESONANT OR NOT!!!! THE FACT OF THE MATTER IS THAT THE ANTENNA'S PHYSICAL DIMENSIONS (including height, radiator diameter, etc) AND ONLY THOSE PHYSICAL DIMENSIONS, DETERMINE ITS FEEDPOINT IMPEDANCE AT A STATED FREQUENCY!!!

>>

I always thought this to be VERY true but so many others told me different Read below.

Your tuner is not just "fooling the transmitter" as you may have heard from some ham

conversations. It is actually matching the transmitter final output impedance to the antenna system input impedance so that all of the power will be transferred to the antenna system.

ALL THE POWER GO TO THE ANTENNA SYSTEM?

RIGHT BUT IF THE ANTENNA IS NON RESONATE THEN DO YOU STILL GET RF ON THE COAX?

So what if the antenna system is way off?

I'm still confused as how the tuner can make the non resonate antenna more effective.

I read on one site that coax length has no affect on SWR at all.

Bob

WA2HOQrp <tm>

Date: Wed, 17 Jan 2001 13:00:53 -0000
From: "John" <jdsmall@sigecom.net>
To: <qrp-l@Lehigh.EDU>
Subject: [88803] F.S. DSW-40
Message-ID: <006501c08085\$86d3b140\$c90b403f@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DSW-40.....Works and looks like new.....\$150. Please reply direct.

John W9FHA

Date: Wed, 17 Jan 2001 07:07:33 -0600

From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [88804] 80m Getting Even Better!
Message-ID: <002201c08086\$75637840\$6b773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I just worked JA7BXS in Japan at 1252 UTC this morning on 3504.1 kHz! RST
559H 449M.

5W
Inverted-L, 55' total, SG-237 Smartuner

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

Date: Wed, 17 Jan 2001 06:18:39 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88805] Re: Chip Attenuators
Message-ID: <Pine.LNX.4.31.0101170612080.816-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In a Service Monitor used to adjust/fix VHF/UHF radios the single
most expensive part is the signal generator attenuator. I think those chip
attenuators are exactly the ticket! And if you can use a bus MUX to
control them you can put ten in series, each in a soldered up box and get
100 DB attenuation front panel adjustable. Maybe silver solder?

How big is 0404?

On Wed, 17 Jan 2001, Steven Weber wrote:

> I happened to notice Digi-Key has 0404 sized, 50 ohm, smt chip
> attenuators, in 1,2,3,4,5,6, and 10 dB steps. Cheap, 19 cents each in
> 10's. They can only handle 40 mw, so only good for say signal
> generator attenuators. (or real QRPpp work)
>

> I'm thinking some of these and a Pericomm dual 1-4 bus mux chip
> would make an interesting step attenuator...
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 17 Jan 2001 06:27:08 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [88806] F/S K2 with Accessories
Message-ID: <3A659DAC.97AAA046@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All,

I have decided to sell my K2. It was a hard decision but since the K2 doesn't see much action, I felt someone should be enjoying it. My K2

(S/N 693) has the SSB unit, 160M/2nd RCV input, NB, internal battery, and a hand microphone. I am also selling my Z-Match antenna tuner with it. Both of these fit in a Sam's Club aluminum case which also goes with the radio.

There is room for the K2, tuner, mic, paddle, cables, and wire antenna in the case.

The price is \$800 + ship. You can see pictures of all of the pieces at:

<http://www.swlink.com/~w5jh/k2.htm>

and

<http://www.swlink.com/~w5jh/radiocse.htm>

and

<http://www.swlink.com/~w5jh/zmatch.htm>

I also have a 3-4 amp regulated power supply turned up to 14.4V for an additional \$30 + ship.

--

73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page <http://www.swlink.net/~w5jh/>

Date: Wed, 17 Jan 2001 07:42:25 -0600
From: "Mark A. Andrews, KE4IOF" <KE4IOF@CitySpan.Net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [88807] Palm Logging Program
Message-ID: <004401c0808b\$58a39960\$1eee4cd8@barracuda>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Not to steal Jim's thunder, but I too have been working on a Palm based
logger. It is ready for download at: www.ke4iof.com. It is based upon the
NorCal Log Book. Feel free to download and critique it.

Thanks,

Mark - KE4IOF
Author, Palm Radio Log

Date: Wed, 17 Jan 2001 08:46:15 EST
From: K5BDZ@aol.com
To: k3tks@u1.abs.net (George Gingell), qrp-l@lehigh.edu
Subject: [88808] 70 foot pines
Message-ID: <28.fedd138.2796fc27@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Danny

Thanks for the great points (for those of you who don't know Danny K3TKS, he
can take a 6" piece of PVC, rummage thru the trash for extraneous junk, and
end up with a creation that will send SSB signals thru a water line!...he's
just that type of creative person).

To update all a little more, I checked with a local forestry company. Found
out some interesting items, namely:

1. It's better for the tree to screw in a lag bolt (with hook or eye) than
to wrap rope or wire around tree to hold pulley. The screw inserted in the

trunk is a "minor shock" to the tree, but the wrapped around rope / wire will constrict the trunk growth in a matter of a few months and it will weaken / cause problems to the trunk from that point into the future. (I don't want to kill it or worse yet, have a high piece break off in a windstorm and fall on my roof).

2. I'm considering designing a simple "inverted L" PVC pull-thru rather than a pulley to be attached from the high hook. Reasons: 1. Too many pulleys have a gap between the wheel and the frame, thus allowing ropes, etc to get wedged in the gap, rendering it useless. 2. A PVC elbow should offer a wider angle at the bend, thus lessening the stress on the rope at that point. 3. A PVC elbow will allow for an additional "feed string" loop - to the ground level - to be pulled alongside the rope so that in the event of a broken rope, the feed-string loop can have another rope attached and relatively easily fed thru the elbow (knot and all), thus saving another climb up the tree.

and for esthetic purposes, grey covered wire antenna and dark (dacron) rope down the trunk to keep questions from neighbors to a minimum.

Just a few thoughts. A little expense maybe, but in the overall scheme of things not too bad. Besides, we're probably going to be here a while if our last house stay is any indication (we moved in "temporarily" and left it 29 years later!)

Thanks again everyone. It's really great to see all the experiences and ideas flowing from this group!
Bill K5BDZ

Date: Wed, 17 Jan 2001 09:12:53 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: dsirait@centrin.net.id
Cc: qrp-l@lehigh.edu
Subject: [88809] Re: VX0/IF freq combo's
Message-ID: <5.0.0.25.1.20010117090721.00a50220@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:46 AM 1/17/01 +0700, Donny Sirait wrote:

>Dear Friends,

>-snip-

> 10M - What is the best combo according to your experience?

Donny,

Another approach to 10 meters is 16 MHz doubled to 32 MHz, and

3.932 MHz for the i.f. Also, a 32 MHz crystal could be used directly in the VX0. I suspect you can get better tuning range with the 16 MHz VX0, but the output needs to be buffered before driving the doubler, so it isn't loaded down.

>The other question is what type of crystals do you use for
>or probably the best for the super vx0, paralel or series resonant?

Doesn't matter. They both have those modes, its only a matter of which one is marked on the case and the actual frequency that you end up with. The difference between the two is nominally 1.5 KHz, so no big deal.

72 and keep the good questions coming.

Jim, K8IQY

PS.....gotta think about 80 meters and look in the supplier books for possible combinations.

Date: Wed, 17 Jan 2001 09:25:23 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: marsgal42@hotmail.com
Cc: qrp-l@lehigh.edu
Subject: [88810] Re: 50 Ohm SM Power Resistors??s
Message-ID: <5.0.0.25.1.20010117091857.00a52c30@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:44 PM 1/16/01 +0000, Laura Halliday responded:

>Chuck Carpenter (w5usj@globeco.net) asked:

>

>>Some time ago I saw messages discussing SMT 50 ohm
>>power resistors. I'd like to get some and need a source.

>

>Is Digi-key p/n TA025PW51R0J-ND (51 ohms, 25 watts) what
>you had in mind? The catalogue quotes inductance of 50 nH,
>making them pretty good for HF dummy loads.

>

>They also have T0-220 resistors (35 watts).

The Ohmite TCH35P series of thick film resistors work great as attenuator components, and are rated at 35 watts of dissipation.

In a T0-220 package for easy mounting. I used the 47 ohm version of this device for the first element in the 4017 transverter attenuator. They are a bit pricey, but well worth the cost I think for a higher power, non-inductive resistor.

72

Jim, K8IQY

Date: Wed, 17 Jan 2001 09:26:00 -0500
From: "Jerry W. O'Dell" <jwodel@provide.net>
To: qrp-l@listserv.lehigh.edu
Subject: [88811] The Truth
Message-ID: <4.2.2.20010117092326.00c328a0@mailin.provide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

After 50 years of ham radio and hundreds of wire antennas of many types, I have discovered the secret.

They all work about the same. I don't care what anyone says, they all work about the same (at least if you can get them outdoors).

Perhaps you like to fiddle with the things, and it is a harmless pastime, but your 50 miles of wire ain't going to help unless you have a rhombic or have configured a monster beam. Don't tell me how wonderfully your 160 meter j-pole works.

Services are over.

73 jerry w8gnd

Date: Wed, 17 Jan 2001 14:17:14 +0000
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <talljazz@teleport.com>
Cc: <qrp-l@lehigh.edu>
Subject: [88812] Re: OT:Shortwave jazz
Message-ID: <E14ItaQ-0002Rh-00.2001-01-17-14-29-19@cmailg7.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

> One of the best jazz shows in the 60's was from the VOA by=
Willis
>Connover, a great DJ who knew his jazz, and I also listened to=
Radio
>Moscow
>and Radio Havana for great music-somewhere there's an FBI file=
on me
>for
>qs'l'ing these stations in the 60's :)
>
>Dan Presley-N7CQR-Portland, Or QRP-L #502

Oh Dear!

That bit brought back memories! We used to get VOA on a relay=
from
somewhere in Germany ISTR, and I remember coming home from school=
to
tune into this on our Philips radio that had a SW section on it.

More nostalgia in as much as the radio itself was rented for one=
shilling and sixpence a week from Clydesdale Supply in Glasgow,=
and
they had a LARGE government surplus store beside their radio shop=
under some railway arches (under a viaduct) where you could get
cushtie exotic stuff such as No 19 manpacks, and walkie talkies=
(US)
throat mikes and other great stuff.

For you American colonists, 1/6d was roughly 30c weekly in those=
days
when the US \$ was worth five bob as we used to say.

And it's not OT, as this was the stuff that started me and many
others on the road to ham tickets, the magic of foreign=
broadcasting!

Regards

Mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeseerve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeseerve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Wed, 17 Jan 2001 14:41:35 -0000
From: "John" <jdsmall@sigecom.net>
To: <qrp-1@Lehigh.EDU>
Subject: [88813] Re: F.S. DSW-40
Message-ID: <003201c08093\$97fd94a0\$5b0b403f@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe the rig is sold. I'll keep all offers until the deal is
completed. Thanks for the response.

John W9FHA

Date: Wed, 17 Jan 2001 14:56:16 -0000
From: "John" <jdsmall@sigecom.net>
To: <qrp-1@Lehigh.EDU>
Subject: [88814] Re: F.S. DSW-40
Message-ID: <005101c08095\$a5c35be0\$5b0b403f@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe the deal is done. Thanks for the response.

John W9FHA

Date: Wed, 17 Jan 2001 10:14:19 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <bkassel@dancris.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88815] Re: Contest: NAQP Results K7RE
Message-ID: <1010017101418.KAA14527@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 1/14/01 10:25, Brian Kassel at bkassel@dancris.com wrote:

>Gangue:

>

> Well that was a real blast. Conditions were good on 10, 15 and 20,
>with the best conditions that I have seen on 40 in a long time. I worked
>many stations on all 4 bands, which was quite surprising. I even bagged
>Bruce, in the Cayman islands on 3 bands, and his multiplier didn't even
>count!

Last time I looked, the Caymans are in North America, so they do, indeed,
count as multipliers for the NAQP. Only Non-NA DX doesn't count for
multiplier credit.

If QRPDUPE didn't count them, then it has a bug.

>There were a few QRP'ers worked that I recognized, all seemed to
>be doing pretty well too. 80M was the usual non-performer. It just
>doesn't seem to get a lot of activity around the SW. I do have to put up
>a dipole for that band though.

80m and 160m have a lot of activity in NAQP, especially in the last 3-4
hours of the contest. Of course, in the West, the sun isn't in the most
favorable position until late in the contest.

> I hope that this score might encourage a few folks who might be a bit
>timid jumping into non-QRP only contests.

Well, you beat me, and I was running 50-90 watts. Scored just over 31,000
points with wires and a vertical on 7.5 hours of effort.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 17 Jan 2001 10:14:20 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <W2SH@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88816] Re: Corroded Feedline & Snow on Ladder Line
Message-ID: <1010017101419.KAC14527@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 1/15/01 23:28, W2SH@aol.com at W2SH@aol.com wrote:

>If you're only pumping 5 watts or less of RF, it makes sense to pay
>attention
>to the line connecting your rig to the antenna. It is pretty widely known
>that a matched (1:1 swr) length of coax will have more loss than the same
>length of open-wire line with a gross mismatch (swr of 20:1 or greater).

It may be widely known, but it isn't true!

It *IS* true that open wire line has less loss than coax when in a
matched condition (eg 1:1) swr. Much less. In fact, open wire typically
has only a fraction of the loss of coax.

But high SWR indicates reflections on the transmission line. On each pass
of the reflections, you accumulate more loss. Really high SWR (20:1) will
induce high losses. In a typical scenario, with RG-213 at 1:1 versus 450
ohm open wire at 9:1, the coax wins on loss. (In fact, the two are about
even when the coax is at 1:1 and the open wire at 5:1)

Open wire is an excellent choice for a multi-band antenna, since the
impedances are likely to vary all over the map, and it has much less
loss at high SWR than coax.

>Next come the ingredients of the open-wire feedline itself. That
>universally
>available black window pane stuff ain't "open" if, when I measure it, 58
>percent of the windows are closed!

There are several types of this stuff, but actually the transmitting
quality line using a 14 gauge or larger conductor is pretty good. Not as
good as "true" open wire, but it does the job.

>If you want a good feedline, don't use stranded wire--that means any
>stranded
>wire, no matter what it is made of, and for goodness sake stay away from
>anything that has iron, steel, nickel or anything magnetic in it.

What's wrong with stranded wire?

And what's wrong with any wire that has iron, steel, nickle or other alloys?

Heck, if you look at the ARRL handbook, one of the staples of antenna construction is copperweld -- which is a thin coating of copper over steel wire.

>That's the first commandment. Going a bit further, to explain, the individual strands
>never make perfect contact with one another, and their spiral configuration
>introduces inductance and eddy current losses.

The strands really don't have to make "perfect" contact with each other. And the eddy current losses are negligible.

> Any corrosion or rust on the
>strands exacerbates these effects.

If you avoid iron or steel, you avoid rust.

>As for magnetic materials, you need to
>delve into the relationship between permeability and skin effect. It has
>been my experience that steel or steel-cored conductors are particularly
>evil
>when there are standing waves present, something which occurs in an
>impedance
>matching stub, or when a balanced feedline has already been chosen over coax
>to mitigate an unavoidably severe impedance mismatch at the antenna
>feedpoint.

Again, amatuers and professionals alive have been using copperweld with great success for many decades. This "evil" you speak of is negligible.

>It's perhaps known that Litzendraht, or
>"litz" wire, with its amazing rf properties, was invented in Germany before
>the first World War.

Litz wire works great up to about 2 MHz or so, but then the skin effect makes the currents so thin that Litz wire actually increases losses rather than lower them.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

Date: Wed, 17 Jan 2001 10:14:21 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <bryn@pcpractice.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88817] Re: HeadPhones, What do you use?
Message-ID: <1010017101420.KAD14527@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 1/15/01 2:00, Bryn Joynes at bryn@pcpractice.com wrote:

>I'm looking to buy some headphones to work CW, and also some SSB
>occasionally. What do others use? I was thinking of the Heil ProSet 5.

I use a Realistic Nova 51 headset. I don't know if they make them any more, but any lightweight headset should work. I find them comfortable. For SSB, I use a Heil BM-10, which is similar, with a boom mic.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 17 Jan 2001 10:39:33 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [88818] Resettable Fuses?
Message-ID: <00be01c0809b\$b19cbfa0\$1ea854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've always assumed resettable fuses were expensive but just discovered they're not. That the one in my K2 only costs sixty-four cents from Mouser. Wanting to save time, space, and money, (and being slightly ignorant!) I almost never put any sort of protection into the things I build. Now I'm thinking maybe I should buy a bunch of these things and stick them on my

power jacks. I don't know anything about them but would somebody tell me, are there any drawbacks to using them instead of a fuse? They sure are a lot simpler to install and when one opens, you don't have to go digging around for another one to replace it.

I've seen a lot of protection circuit ideas, but it seems to me that installing a resettable fuse in series with a hot carrier diode, like Elecraft did on my K2, is hard to beat. It's cheap, quick to install, and doesn't take up much room.

Thanks,

Denny Payton, N9JXY
Auburn,IN

Date: Wed, 17 Jan 2001 09:42:14 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [88819] RE: HeadPhones, What do you use?
Message-ID: <000001c0809c\$10d51f30\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ditto here. Don't go out and buy any of those fancy-schmancy headphones. You only need about a 500hz to 4kc response anyway. As long as they are comfortable to wear the El Cheepo types are just fine. I use replaced a set of 25 year old Radio Shack headphones that cost about \$15. I paid about \$19 for my new ones.

72/73
Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Bill Coleman
> Sent: Wednesday, January 17, 2001 9:14 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: HeadPhones, What do you use?
>
>

> On 1/15/01 2:00, Bryn Joynes at bryn@pcpractice.com wrote:
>
> >I'm looking to buy some headphones to work CW, and also some SSB
> >occasionally. What do others use? I was thinking of the
> Heil ProSet 5.
>
> I use a Realistic Nova 51 headset. I don't know if they make them any
> more, but any lightweight headset should work. I find them
> comfortable.
> For SSB, I use a Heil BM-10, which is similar, with a boom mic.
>
>
>
>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
>

Date: Wed, 17 Jan 2001 10:46:12 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88820] OT: WWII Spy Radio
Message-ID: <3A65BE44.2A39FD02@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maybe not OT. A friend who knows I'm a qrp'er asked me about the spy transmission capabilities of radio kits used in Europe during WWII. Were they qrp? What band did they use?

Well, I'm on p. 18 of a Goooooogle search and still no technical details. I figure someone on the list knows the answer, probably still works one of these rigs.

Please feel free to contact me off-list.

73

Ken KG4FGC

Date: Wed, 17 Jan 2001 10:03:52 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [88821] Re: How to...70 foot pines???
Message-ID: <3A65C268.7DE134EC@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use an ordinary "wrist rocket" type slingshot, and have a helper standing by holding a fishing rod (top section removed) to keep the line out of my way. A 3-oz. teardrop weight is just about right. It may help to spray paint the weight in bright yellow or red. One thing I learned: if you get a snag (the most common one is where the line catches and the weight loops around a branch before dropping) it is often easier to lower the weight to the ground by feeding out line slowly, cut the weight off, and then reel in the line. If you try to tease the weight into unwrapping so you can pull it back, you are more likely to either break the line or cause the weight to come flying back at you suddenly (very bad idea.) Even if you just miss and go over the wrong branch, do not try to pull the weight back. Let it down and untie or cut it loose, and pull only the empty line back. Eye and head protection is still a good idea. If you aren't experienced with a slingshot, by all means get some practice using smooth pebbles in a safe area BEFORE you start launching lines.

Note too that I am in a rural area. I wouldn't use the slingshot if I were in a spot where passers-by might wander along the street or a wild shot might hit a neighbor's window, dog, or kid. We have no sidewalks out here, pedestrians are rarer than passing horseback riders and you can see them coming for at least a half mile.

I use oak trees as "masts" in preference to the few pines here, because they are smoother and seem less likely to snag the line. The line is then used to pull back a nylon or polypropylene cord which in turn is used to draw up the wires. There was an article in QST last year on this topic and it is worth reading. It warns of risks to the trees, and gives advice on making relatively permanent installations using pulleys, etc. while allowing for the sway of trees in the wind and avoiding friction and pressure damage to bark.

The option of using a professional climber, especially if you desire a long term installation with pulleys, is well worth considering. Like Cajun Joel, I tend to shift my wires around fairly often to change the orientation or try a different design, so I don't consider my installations permanent.

In a more densely populated area, the helium balloon idea is a possibility. You'd want several balloons of the mylar type they sell for birthdays, etc. These are less easy to puncture than the old rubber or plastic ones. You can use the balloon, guided by a couple of lightweight kite strings, to maneuver and drop a light weight and fishing line over the desired branch. You definitely need sharp eyes and a good helper to work this. Balloons also work in their own right as a temporary antenna support--I've done this with success a couple of times.

The biggest potential problem in subdivisions, urban lots, etc. is probably overhead wires. These could be a major risk for any method other than the absolute control offered by the tree climber.

Side remark: Why is it that this list is so prone to off topic commentary about gun control or gun laws? Even I, who am quite tolerant of off topic stuff, get very tired of the editorializing on this irrelevant subject. Surely there are other appropriate forums for that discussion.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 11:05:18 -0500 (GMT+5)
From: wd9eyb@butler.qrp.com
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [88822] Klunky Schematic Drawing Web Page
Message-ID: <Pine.LNX.3.95.1010117105348.8094A-100000@butler.qrp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have revised the klunky schematic drawing web page.
<http://butler.qrp.com/~wd9eyb/drawsch/>
I have added more symbols.
It now indicates which symbol is selected.
I have added more code to make it more "canonical" in an effort, probably futile, to get it to work for more people.
To save your drawing and add anotation to it, do a screen capture and copy the result into a paint program.
The klunky schematic program is public domain, feel free to change it and add to it.
Feel very free to figure out how to make it work for everybody.

Thanks,

Jim, WD9EYB

Date: Wed, 17 Jan 2001 09:10:02 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Dan Presley <talljazz@teleport.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88823] Re: OT:Shortwave jazz
Message-ID: <Pine.SUN.4.10.10101170903250.25180-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 17 Jan 2001, Dan Presley wrote:

> One of the best jazz shows in the 60's was from the VOA by Willis
> Connover, a great DJ who knew his jazz, and I also listened to Radio Moscow

The only jazz show on shortwave I know of is the BBC still has it's
"Jazz for the Asking" I stumble across on weekends. You can find the
air times at www.bbc.co.uk

> and Radio Havana for great music-somewhere there's an FBI file on me for
> qsl'ing these stations in the 60's :)

I got a qsl card and newsletter from Radio Moscow forwarded to me by
my mother while in BOOT CAMP! That took some explaining to the company
commander and regiment personnel, since my top secret clearance for the
submarine service had already been initiated. It took awhile for the
Navy to see the humor about qsl'ing such shortwave stations.

72, Paul NA5N
(WPE0DRZ - 60's SWL trivia)

Date: Wed, 17 Jan 2001 10:57:39 -0500
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [88824] MI QRP Net
Message-ID: <052569D7.00583BB0.00@usabhmg99.mail.delphiauto.com>

Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

80 meters was good last night. Before the net started I was hearing European DX in the low part of the band. We had five check ins last night:

K8JR0	569 589	Clio	MI Jerry	5w
N8UN	599 599	East Jordan	MI Ed	2.5w
WA9YDJ	559 569	Libertiville	IL Vance	5w
WA9PWP	579 579	Stoughton	WI Paul	5w
WB1HBE	559 599		MA John	5w

Thanks for checking in. The Michigan QRP net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Before the net I tried to work the Flying Pigs but had no luck. On 30 meter I got Guadeloupe for a new DXCC entity.

After the net I got the Fox on my second call, up about 1 KHz.

TMPS stats: WAS=13 DXCC=2 Total Q's=18

Ed AB8DF

Date: Wed, 17 Jan 2001 09:20:34 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Paul Harden, NA5N" <na5n@rt66.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88825] Re: OT:Shortwave jazz
Message-ID: <Pine.BSI.3.96.1010117091031.7760A-1000000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Even though this might be considered to be off-topic, a number of us got our start in radio by way of SWLing. So,...

I was told to refrain from QSLing stations behing the Iron Curtain because of the FBI, etc., issue back when I was in high school. We were an Army family, and that was the reason.

I do remember the night that I was listening to Radio Prague when

the Warsaw Pact overran their frontier and brought the liberalization of Czechoslovakia to an end. They simply announced that the forces were overrunning the country, played their national anthem, and then went off the air. I seem to recall that it was over a month before they were heard from again.

There was Radio Moscow, Radio Pejing (Peking), Radio Vilnius, Radio Bucharest, Radio Habana, and a whole lot of others that I listened to every night on my Heathkit GR-64 and an end-fed longwire antenna with a homebrewed tuner. And if I ever hear that song again about the mouse living in the wooden shoe in Amsterdam from Radio Nederland, I might end up having a flashback that I won't recover from. It was that good a time.

Chris

On Wed, 17 Jan 2001, Paul Harden, NA5N wrote:

```
>
> On Wed, 17 Jan 2001, Dan Presley wrote:
> > One of the best jazz shows in the 60's was from the VOA by Willis
> > Connover, a great DJ who knew his jazz, and I also listened to Radio Moscow
>
> The only jazz show on shortwave I know of is the BBC still has it's
> "Jazz for the Asking" I stumble across on weekends. You can find the
> air times at www.bbc.co.uk
>
> > and Radio Havana for great music-somewhere there's an FBI file on me for
> > qsl'ing these stations in the 60's :)
>
> I got a qsl card and newsletter from Radio Moscow forwarded to me by
> my mother while in BOOT CAMP! That took some explaining to the company
> commander and regiment personnel, since my top secret clearance for the
> submarine service had already been initiated. It took awhile for the
> Navy to see the humor about qsl'ing such shortwave stations.
>
> 72, Paul NA5N
> (WPE0DRZ - 60's SWL trivia)
>
>
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/-----\
/  What's all this  \
/ extinct stuff, anyhow? /
\-----\
_ | /
oo\
( __ )\
_
```

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240

```
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
```

> Dennis Payton
> Sent: Wednesday, January 17, 2001 9:40 AM
> To: Low Power Amateur Radio Discussion
> Subject: Resettable Fuses?
>
>
> I've always assumed resettable fuses were expensive but just
> discovered
> they're not. That the one in my K2 only costs sixty-four
> cents from Mouser.
> Wanting to save time, space, and money, (and being slightly
> ignorant!) I
> almost never put any sort of protection into the things I
> build. Now I'm
> thinking maybe I should buy a bunch of these things and stick
> them on my
> power jacks. I don't know anything about them but would
> somebody tell me,
> are there any drawbacks to using them instead of a fuse? They
> sure are a lot
> simpler to install and when one opens, you don't have to go
> digging around
> for another one to replace it.
>
> I've seen a lot of protection circuit ideas, but it seems to me that
> installing a resettable fuse in series with a hot carrier diode, like
> Elecraft did on my K2, is hard to beat. It's cheap, quick to
> install, and
> doesn't take up much room.
>
> Thanks,
>
> Denny Payton, N9JXY
> Auburn,IN
>
>

Date: Wed, 17 Jan 2001 11:24:51 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu, antennas@qth.net
Subject: [88827] Need help locating URL/& pill bottle tuner
Message-ID: <7b.efcb0ef.27972153@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I lost the book mark for a very informative site on antennas,coax,feed lines,etc.
All I remember is that the background was a green color and most of the print was in bold black letters.
I appreciate all the info sent to me but now I'm receiving mail telling me that the other person doesn't know what he's talking about.
If I can locate the site then everyone can look at it and see where I received my info from.=====

Several people mailed me and asked to forward the URL for the pill bottle tuner.
I have that booked marked in the laptop but it's out on a loan.
If anyone knows the URL will you please post it to the list.
Thanks
Bob
WA2HOQrp <tm>.....wire antenna Zombie # 1

Date: Wed, 17 Jan 2001 11:30:34 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [88828] Re: The Truth
Message-ID: <35.f7692f1.279722aa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/17/01 3:27:28 PM W. Europe Standard Time,
jwode11@provide.net writes:

<<
Perhaps you like to fiddle with the things, and it is a harmless pastime, but your 50 miles of wire ain't going to help unless you have a rhombic or have configured a monster beam. Don't tell me how wonderfully your 160 meter j-pole works.

>>
Hey Jerry,
I was just going to post a note about the "J" pole I built for the lofers band on 175 HZ.
Works Great:~
Bob
WA2HOQrp <tm>

Date: Wed, 17 Jan 2001 11:34:00 -0500

From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88829] RE: Resettable Fuses?
Message-ID: <CKEGICNFDIMCEKEDCEHFIEPCFJAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

THE best circuit-breakers are magnetic. Many of the Air-Pax's are magnetic. Very fast... very expensive. The K2's resettable unit was chosen after some testing at K2-land, and is the best of several they tested. All Electronics and Fair Radio sell various types of 'regular' small circuit-breakers... I use them for AC-line-side catastrophic short insurance on transformer-operating things like power supplies.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 17 Jan 2001 10:37:57 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [88830] RE: HeadPhones, What do you use?
Message-ID: <3A65CA65.306BAECB@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I disagree that all phones are the same. Yes, you don't need full hi-fi response. But cheap phones also vary all over the map in terms of their sensitivity to small signals and/or their tendency to overload and distort on loud ones. In my experience, it does pay to invest in a better grade of phones.

For the lightweight, low impedance type the best ones I have had were a cheap set that came with a Kyocera "walkman" clone. Those were finally destroyed in a mechanical accident (crushed) and I've never found their equal in sensitivity. None of the Radio Shack/Walmart type lightweights I've tried have been as good at responding to weak

signals.

For higher impedance applications (like with an HW-8, or a homebrew regen RX) the old "tin can" phones are much better than anything still available new. I have decent ones by Brandes. Old Timers have told me that Baldwin and Brush were even better, but those are hard to find nowadays.

It seems like there ought to be specs that could be compared for headphone performance, just as there are for receivers. But for some reason, if they exist they are hard to get. I find it easier to just keep buying cheap sets at garage sales or whatever and trying them until I get something that works for me.

Whenever I start thinking about Heil, Kenwood, or some other commercial brand sold as "communication" phones, I usually can quickly find an equal number of people who like a particular model and people who despise it. One can only conclude, I think, that this is a very personal kind of preference that requires some experimenting and testing on one's own. For example, though many people here like to use those "earbud" things, I cannot tolerate any device that plugs up my ears that way. I prefer a headset that allows me to hear the ambient room noises at an attenuated level, and that also permits the air pressure to remain equalized. Full coverage " earmuff " type phones produce a " sea shell " roar for me that I really dislike. Obviously, your mileage may vary. But it will probably pay for you to try out several types rather than choosing based on other people's preferences.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 11:50:30 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [88831] For Sale NC-40a transceiver
Message-ID: <200101171150_MC2-C20B-53B1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

For Sale--Norcal 40a transceiver. FB rig in excellent condition. It is =
an
exceptional rig for home, travel, or backpacking. Sturdy and light weigh=
t,
with dimensions =3D 2.25'H x 4.5'W x 4.5'D. Receiver draws only 15 mA. =
Two
(2) watts output power, and has RIT, full QSK, AGC and crystal filtre in
receiver.

This rig is a proven FOX hunter with 3 pelts this season. Includes a
built-in KC-1 keyer/frequency indicator with controls on the rear of the
rig. I have all documentation for both the rig and the KC-1. =

Price, including *insured shipping* to your address in the Lower 48 =3D
\$145.00. =

72,
--Doc/K0EVZ

Date: Wed, 17 Jan 2001 10:56:42 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: <ka9nzi@arrl.net>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [88832] RE: HeadPhones, What do you use?
Message-ID: <000001c080a6\$77c92010\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cheep and poor quality don't necessarily go together. I've always had very
good luck with the low-end Radio Shack line as well as their in-the-ear
stereo phones. My point was don't go out and spend \$50+ on a "specially
build for your rig" headphone set. If you want "super quality" go out and
buy a set of good quality stereo phones and an adapter (if your rig won't
use stereo phones) and use the set on your stereo and your ham rig. Radio
Shack has some excellent phones in the \$30-\$50 range that are excellent.
They even have one that has an in-line volume control. If you can find any
of their discontinued models they offer excellent deals on them.

72/
Kevin, WB5RUE

Date: Wed, 17 Jan 2001 11:59:07 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Cc: aa4lr@arrl.net
Subject: [88833] Re: Corroded Feedline & Snow on Ladder Line
Message-ID: <1e.100c99f2.2797295b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/17/01 4:16:17 PM W. Europe Standard Time, aa4lr@arrl.net writes:

<<

It *IS* true that open wire line has less loss than coax when in a matched condition (eg 1:1) swr. Much less. In fact, open wire typically has only a fraction of the loss of coax.

>>

Taking all things into consideration, coax, open wire, connectors, antenna wire, I broke every rule in the book several times when making an antenna. One being a 20-M dipole made of random lengths of hook up wire, speaker wire and lamp cord.

I used the cheapest coax RS sells.

It's so lousy that you can see the RF dripping off of it.

My landlord who was in Alaska at the time still says that my signal was the loudest of all the local hams that worked him.

That antenna survived three years and during that time I worked hundreds of stations (DX) qrp.

All my antennas now have good quality 75 ohm CATV coax and even on QRP I work a good bit of DX with the indoor antenna.

Bob

WA2HOQrp <tm>

Date: Wed, 17 Jan 2001 12:00:28 -0500
From: Rick Robinson <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [88834] Depressing shack accessory
Message-ID: <v03102805b68b7c25116a@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If global warming, power grid problems, the stock market, scarcity of QRP parts, crazy propagation, etc. doesn't have you depressed enough, have I got a deal for you.

I received an All Electronics sale catalog this morning. On the cover is a great shack accessory to keep that blue mood cooking. How about a clock that lets you enter your birthdate and it then counts down the estimated amount of life you have left in tenths of a second? Who dreamed this little gem up, Dr. Kevorkian?

But wait there's more! Every minute it pops up an inspirational message and the real time on a backlit LCD. I'll bet those messages really pick you up too, "Today is the first day of the rest of your life, what little there is left of it." "It's still not too late for that prepaid burial plan."

All this can be yours for only \$7.50, 6 - 7.5VDC wall wart not included. I think I'll pass and stay ignorant.

72,

Rick kf4ar

Date: Wed, 17 Jan 2001 11:08:43 -0600
From: "Jim Gelbort" <jamesgelbort@worldnet.att.net>
To: <rerobins@email.uncc.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88835] Re: Depressing shack accessory
Message-ID: <000e01c080a8\$2638eda0\$6500a8c0@rob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Many thanks, Rick.

I've been looking everywhere for a perfect birthday present for the XYL as she crosses the half-century mark.
Problem solved (partially, at least)!

Jim N9WW

>
> I received an All Electronics sale catalog this morning. On the cover is
a

> great shack accessory to keep that blue mood cooking. How about a clock
> that lets you enter your birthdate and it then counts down the estimated
> amount of life you have left in tenths of a second? Who dreamed this
> little gem up, Dr. Kevorkian?
>
> But wait there's more! Every minute it pops up an inspirational message
> and the real time on a backlit LCD. I'll bet those messages really pick
> you up too, "Today is the first day of the rest of your life, what little
> there is left of it." "It's still not too late for that prepayed burial
> plan."

Date: Wed, 17 Jan 2001 11:14:37 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [88836] Re: OT:Shortwave jazz
Message-ID: <3A65D2FD.37057F60@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I QSLed many eastern block SW stations in the 60s and lived to tell the tale. I suspect that most of us who lived through the 50s and 60s have thick FBI files, regardless of our politics or behavior. They were snooping on everybody back then.

Never managed to QSL Radio Havana, though. If I remember correctly, you couldn't send mail directly to Cuba at the time. In retrospect, the Cold War really does seem about as ridiculous as two old ladies refusing to speak to one another. Radio Moscow must have had a huge PR budget. Not only did they send you their broadcast schedule for years after you QSLed just once, they sent occasional "gifts". I still have a set of nesting wooden dolls they mailed to me.

SWLing is still worthwhile. Even though SWBC stations use a lot more than QRP level power, the quality of reception tells you about the propagation from that part of the world on nearby frequencies. And most SW stations use a lot of high powered computer stuff to decide which bands to use when in order to reach certain areas. So if Radio Australia is beaming programs to North America on 31 meters, it's probably a good time to look for VK stations on 30 meters, eh?

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 11:16:46 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU, na5n@rt66.com
Subject: [88837] Re: OT:Shortwave jazz
Message-ID: <3A65D37E.AC8CB47A@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> 72, Paul NA5N
> (WPE0DRZ - 60's SWL trivia)

WPE8HND. Gotcha! Whatever happened to that Popular Electronics
SWL club, anyway?

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 12:19:55 -0500
From: "Joe Trombino" <w2kj@earthlink.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [88838] ARRL handbook 2001
Message-ID: <016501c080a9\$b7cf0500\$1353fc9e@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow QRP'ers:

Checked out our puny Barnes & Noble store here in
Wilmington, NC for the 2001 ARRL handbook that is on sale
for \$8 with no success.

Would anyone with access to a local store that has the
handbook for \$8 care to volunteer to purchase one for me on
their next trip??

Would cover all shipping costs, etc, etc plus a free
capuccino.

Many thanks for any assistance that can be provided.

73, Joe W2KJ (North Carolina)

Date: Wed, 17 Jan 2001 11:22:05 -0600
From: "Don Wines" <dwines@tyler.net>
To: "QRP-L LIST" <qrp-l@lehigh.edu>
Subject: [88839] Qth.net Down?
Message-ID: <003501c080aa\$0421e620\$fb3cfea9@gateway>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I haven't received any messages from the Elecraft list and another list hosted by QTH.Net since yesterday (01-16). I tried to access the QTH site and got the "nobody home" message.

Anybody else with this problem?

72
Don, K5DW
k5dw@arrl.net
QRP-L #2083 QRP-ARCI #10145 NETXQRP #3

Date: Wed, 17 Jan 2001 11:25:25 -0600
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>, qrp-l@lehigh.edu
Subject: [88840] RE: HeadPhones, What do you use?
Message-ID: <200101171725.LAA11664@mail.lib.colum.edu>

I agree that "inexpensive" doesn't mean the same as "cheap". I think "dynamic range" was the term I was fishing for. Lots of inexpensive phones sold for listening to music have poor dynamic range, and probably lots of the potential buyers have enough hearing loss that this doesn't matter to them.

For communications use, especially weak signal work, we should be interested in both frequency response curves and

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
ORP-L #2124 <http://www.qsl.net/ka9nzi/>

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

c__; c__; '-..'>.__

Graphics by Loek Frederiks

Date: Wed, 17 Jan 2001 12:58:15 -0500
From: Rick Robinson <rerobins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [88842] Re: OT:Shortwave jazz
Message-ID: <v0310280ab68b89d047f9@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

WPE4FYX here. Popular Electronics sure got a lot of us going with the WPE program.

72,

Rick kf4ar

Date: Wed, 17 Jan 2001 09:58:08 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-1@lehigh.edu
Subject: [88843] wire
Message-ID: <Chameleon.979754515.Anthony@afelino>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Anyone know where you can get the sort of wire used on the walkman-type headsets? The best of this type is covered with some soft rubbery material like neoprene and it has very small conductors inside so it is very flexible. It's sort of a modern version of the old tinsel cord.

Thanks, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Wed, 17 Jan 2001 13:06:27 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'mwc@okstate.edu'" <mwc@okstate.edu>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [88844] RE: CB Conversion Question
Message-ID: <125490A005E3D3118C9C00805FC743CC01C167B9@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

CBC International sells a lot of conversion data.

>From the seachable database at <http://www.arrl.org/tis/tisfind.html> :

Company
CBC International Inc.
PO Box 1898
Monterey, CA 93942
USA
Tel: 888-434-9227 (888-I FIX CBS)
831-333-1800
Email: INFO@CBCINTL.COM
<http://www.cbcintl.com/>

Products and Services
PUBLICATION>BOOK;
Notes
Books and plans for repair or modification of CBs to 10 meters.

73,
Ed Hare, W1RFI

-----Original Message-----

From: Matthew Collier/cis/evp/Okstate [<mailto:mwc@okstate.edu>]
Sent: Tuesday, January 09, 2001 11:30 AM
To: Low Power Amateur Radio Discussion
Subject: CB Conversion Question

Hello All,

My dad just gave me his unused "Pinto" CB radio sold by JC Penny back in the 70's. I'm thinking that it would make a good QRP starter rig for 10

meter voice. Has anyone ever done such a conversion before? Does anybody know where I could find the schematics for such a beast?

72 de Matthew, AD5AP

Date: Wed, 17 Jan 2001 12:14:26 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU, George Baker <w5yr@att.net>, Lew Paceley <lew@paceley.com>, Richard Kapalczynski <n5ji@yahoo.com>, Dwain Lawhon <dlawhon@ix.netcom.com>, Bill Pierrard <k5jhp@flash.net>, Don Wines <dwines@tyler.net>, Preston Buck <pbuck@flash.net>, Larry Jones <ljones@flash.net>,
Subject: [88845] NETXQRP Club Meeting
Message-ID: <3.0.2.32.20010117121426.007e5d40@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

QRPLers,

The next meeting of the NETXQRP Club will be held this coming Saturday. Interested folks are invited to attend.

January 20, 2001
1:00 to 3:00 PM (or so)

John Y Miguel's Cafe (Tex/Mex & 'merican)
104 State Highway 205
Terrell, TX
Phone: (972) 524-1447=20

Directions:
Miguel's is on the west side of Terrell. It is on 205 north, near the intersection of I-80, 205, and 148. 205 goes north from I-80 toward Rockwall and 148 goes south back across I-20. Go north on 205 about 1/4 mile and it's on the right. Big place, hard to miss. It's just past a Kuick Kar lube-and-tune place and across the road is a Walmart plaza.=20

If you have a favorite QRP something you'd like to bring along, please do. Weather permitting we plan to try some portable operation either behind the restaurant or at a local park in Terrell. Come join the fun!=20

For more NETXQRP Club info check our website: <http://www.netxqrp.org/>

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

NETXQRP Club Website =96 <http://www.angelfire.com/tx4/netxqrpclub/>

Date: Wed, 17 Jan 2001 13:09:31 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: ka9nzi@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [88846] Re: OT:Shortwave jazz
Message-ID: <3A65DFDB.A6801FBD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary,

Like many I started out SWLing on an old Motorola. It's still out in the garage. I'll restore it one day!

SWLing gave us the skills to dig out the weak ones. It taught us about QSLing and contesting (remember the old Boy's Life SWL contests?). It was good clean fun and valuable practice for when we got our ham licenses!

I think it has changed a lot today, but it is still valuable and good fun. Anyone with a general coverage receiver, either in their transceiver or stand alone, should tune around the SW bands and listen to what they hear. Take a look at the Hallicrafters site for some more information and some awards you can win!

I do remember the Popular Electronics SWL club. Unfortunately I think it went the way of the magazine, it changed and then died!

73

Date: Wed, 17 Jan 2001 10:18:25 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [88847] Elecraft list - QTH.NET Down Temporarily
Message-ID: <3A65E1F1.83DDE255@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

qth.net, which hosts the elecraft@qth.net email list, seems to have been down since yesterday evening. We're investigating the outage and hopefully it will be back up soon. Usually when this happens emails sent to the list will be queued up until the server is back up.

Please don't email us asking asking when it will be back up as we can't reply to everyone. Hopefully it will be back up soon!

Our web page and email sent directly to any of us at the @elecraft.com address are both running OK. (Both are hosted locally.)

73, Eric

--

<http://www.elecraft.com>

Date: Wed, 17 Jan 2001 18:20:39 +0000
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <wd9eyb@butler.qrp.com>
Cc: <qrp-l@lehigh.edu>
Subject: [88848] Re: Klunky Schematic Drawing Web Page
Message-ID: <E14IxxKH-0005IT-00.2001-01-17-18-28-53@mail12.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Wed, 17 Jan 2001 11:05:18 -0500 (GMT+5), wd9eyb@butler.qrp.com=

wrote:

>I have revised the klunky schematic drawing web page.
><http://butler.qrp.com/~wd9eyb/drawsch/>
>I have added more symbols.
>It now indicates which symbol is selected.
>I have added more code to make it more "canonical" in an= effort,
>probably futile, to get it to work for more people.
>To save your drawing and add a notation to it, do a screen= capture
and
>copy the result into a paint program.
>The klunky schematic program is public domain, feel free to= change
it
>and add to it.
>Feel very free to figure out how to make it work for everybody.
>

>Thanks,
>
>Jim, WD9EYB

Hi Jim,

For info, the Klunky program appears to work here ok in Explorer=4.0 plus versions, and also in Enigma 2.6.5 and above.

Netscape version 6.0 works OK , BUT Netscape 4.6 and 4.7 appear=to have problems handling the Javascript and won't select your=building blocks to make up the circuits. I'm not sure if you would be able=to solve this by using Netscape 4.6 to check for javascript errors,=but since most people will be downloading Netscape 6.0 nowadays, then=it probably won't matter too much if you let folks know this=limitation.

Obviously any browser that doesn't handle Javascript will have=these problem so all versions of Netscape before 4.6 will most likely=not be able to use the program. Don't have an early version of I.E.=to check, but that will have the same results most likely, versions=before IE 4.0 will have problems.

Arachne doesn't do javascript so will not handle the program in=DOS.
The Linux version might be able to do something with it=eventually.

QNX handles the script ok in it's own mini-linux/unix GUI but=doesn't want to print it out, probably due to printer driver problems.

That's all I can test for, maybe some others can check with a Mac=and Amiga browser for you?

BTW folks, I like the program, it's quick and dirty, easy to use=and

ideal for a quick fix.

Can I link direct to it from my EurAmCom pages please Jim?

Regards

Mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeserve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeserve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Wed, 17 Jan 2001 13:29:48 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <anthony@pacinfosb.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88849] Re: wire
Message-ID: <005201c080b3\$8608d140\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Anyone know where you can get the sort of wire used on the
> walkman-type headsets? The best of this type is covered with
> some soft rubbery material like neoprene and it has very small
> conductors inside so it is very flexible. It's sort of a modern
> version of the old tinsel cord.
>
> Thanks, WN6Q

I've needed this wire in the past, and the best source for it seems
to be to go to Wal-Mart (or the 'salvage houses') and pay \$2 or so
for cheap or broken headsets.

I know, doesn't help if you need longer pieces.

But when I was trying to wire up my helmet for my Gold Wing, I was
trying to find that stuff. I ended up getting a cheap headset and was

about to cut the wire when I realized 'what the heck am I doing???'
I didn't make the cut!!! I just broke the band off the headset, cleaned
up the back of the speaker element (which was smaller than a quarter
but bigger than a nickel) and left the single wire attached. This just
slipped perfectly into the ear pad of the helmet!!

Mike

Date: Wed, 17 Jan 2001 13:39:09 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [88850] QSLdotNET is back up as of 13:37 EST
Message-ID: <CKEGICNFDIMCEKEDCEHFKEPJFJAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Title sez it all...

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 17 Jan 2001 13:47:17 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:w2kj@earthlink.net" <w2kj@earthlink.net>, ".QRP-L Discussion Group"
<QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [88851] ARRL handbook 2001
Message-ID: <200101171347_MC2-C202-943B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Joe and Gang:

Well this must be a local store's price. The B&N here in Bismarck has a copy of the 2001 ARRL HB, but it is for the price of \$32.00. The clerk had no idea why some store would have the item at such a deep discount. If someone else can find one for \$8.00 I will gladly pay you for it as well as mailing/shipping. Thanks.

72,
--Doc/K0EVZ

Date: Wed, 17 Jan 2001 13:16:54 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [88852] Re: ARRL handbook 2001
Message-ID: <3A65EFA6.B898D53F@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I suspect the \$8 price is an error. B-N stores often apply steep discounts to the old edition of a title when the new one becomes available. Very likely their inventory system shows the 2000 handbook right now, and that one is supposed to be marked down. Some local stores apply a sticker over the bar code on sale items, and the stock clerk may have applied the 2000 sticker to the 2001 book, not realizing that they aren't the same item.

Interestingly, at www.bn.com the 2001 book is discounted to \$26.50, but they still have 1999 and 1998 in stock at full price of \$32.00. No listing for 2000 at all.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 14:32:59 -0500 (GMT+5)
From: <wd9eyb@butler.qrp.com>
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [88853] Klunky Schematic Drawing Web Page
Message-ID: <Pine.LNX.3.95.1010117143127.14631A-100000@butler.qrp.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added a third row of symbols.
<http://butler.qrp.com/~wd9eyb/drawsch/>

Jim, WD9EYB

Date: Wed, 17 Jan 2001 14:52:26 -0500
From: "Paul G Kaczmarek" <Paul.G.Kaczmarek@USA.dupont.com>
To: qrp-1@Lehigh.EDU
Subject: [88854] LED Lights and Pens
Message-ID: <852569D7.006CCB29.00@CDCLN08.LVS.DUPONT.COM>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Here is a link for a LED Light pen which looks great for log entries.
Also checkout the Photon MicroLight (I always have mine on a lanyard around
my neck)
and the Lightwave 2000 (small flashlight 330 continous hours of use)

<http://www.action-electronics.com/photopen.htm>

Paul KB2TPA Cheektowaga NY Sierra, TT Argosy, Pepperdog USMC

Date: Wed, 17 Jan 2001 12:01:41 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88855] NW QRP Net, tonight!!!
Message-ID: <001501c080c0\$504eedc0\$ab2079a5@de11>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a reminder,

Tonight at 7:00 PM PST is the NW QRP Net. Frequency is 3.885. If busy, it
moves up a bit to a clear fequency.

This will be my first official check-in to this net and I hope to meet some of the other local "low power" fans.

See you there.

72, Tracy
W7TRX

Date: Wed, 17 Jan 2001 15:05:50 -0500 (GMT+5)
From: wd9eyb@butler.qrp.com
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [88856] Klunky Schematic Drawing Program
Message-ID: <Pine.LNX.3.95.1010117145809.16434A-100000@butler.qrp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I went back and reread the documentation more carefully after several pointed out that Netscape doesn't support click events on images. They're right and that's why it doesn't work for Netscape. Shucks. It was also reported that Netscape 6.0 does support the click events and it does work in that.

Thanks to all who found the problem.

Jim, WD9EYB

Date: Wed, 17 Jan 2001 13:05:39 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [88857] Re: OT:Shortwave jazz
Message-ID: <20010117.132109.-472391.2.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I still have the certificate - WPE4AVY, issued about 1956 or 57.
Sure was and still is a lot of fun.
And it was said that Willis Conover was the best known DJ

in the world, bar none. And virtually unknown in the U.S. Did you know that the law is still on the books prohibiting U.S. citizens from listening to VOA, as it is for external use only. Used to be that if one wanted info from them, you had to send the request thru a friend in a third country as they would not respond to U.S. requests.

I started listening to him on VOA in the early 50's on my dad's RCA table radio - and continued to do so at different times until his passing.

During all of my years with the FBI, I never heard of anyone having their names filed for receiving qsl cards from the communist countries of that time. No more interest than active amateurs for 2 way qso's. Not to say that some did not get turned in by over zealous neighbors.

Thanks for the memories Dan and all the rest -

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111

NCT2 (also w5xe@juno.com El Paso, (FAR WEST) TEXAS

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 17 Jan 2001 13:18:36 -0700

From: William R Colbert <w5xe@juno.com>

To: qrp-l@lehigh.edu

Subject: [88858] OT: WWII Spy Radio

Message-ID: <20010117.132109.-472391.3.w5xe@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

You might have a go at: <http://www.wlhoward.com/enter.htm>

Where Col. Howard does research and writes about the clandestine radios. Below is some info on the SST-R rigs, mostly in the qrp range.

Of the three SSR 5A receivers that I have had, only one came with a set of headphones and a power cable that would allow the set to be used with several batteries. Whether this was an issue item or something developed after the war for the LUCY kit is not known. It is, however, a nice item to have

if

[SSTR 5]
SSTR 5

you plan to work on the set or attempt to operate the set. The SSR 5A receiver is a 6 tube superhetrodyne set covering 2.5 to 12 MC in two bands, designated as High and Low. The receiver is

7

1/2" x 3 1/2" x 4 5/8" and weighs 2 3/4 lbs. Controls consist of an ON / OFF switch, a band switch, a BFO switch, a gain control and a vernier tuning dial. Two terminals provide connections for the antenna and ground leads. The power cord is fastened internally and remains with the set. It terminates in a four pin plug. The tube line-up in this set is a 1T5, 1R5, 1T5, 1S5, 1L5, and a 1T4. The power cord is designed to plug into a socket on the transmitter or the previously mentioned power cable. The transmitter is built on a "L" shaped bracket which is then mounted into a case the same size as the receiver, which leaves a small storage space in half the case for the antenna, crystals,

or

whatever.

[SSTR 5]
SSTR 5

The transmitter uses two 3S4 tubes, wired in tandem, and protected by metal tube shields. These appear to be both smaller and sturdier than the predecessor's 6L6 tube. With two tubes in tandem, the set should operate with one tube dead, a definite advantage behind enemy lines where replacement tubes are hard to find!!! The circuit

is

reasonably simple, a crystal controlled oscillator with a tuned tank circuit.

And in the RSGB Technical Topics Scrapbook for 1985-89, 1990-94 and 1995-1999, there are nice write-ups on the clandestine rigs of the different countries and services. Including a Telefunken briefcase unit of the early - mid 50's. Good stuff.

Hope that helps answer your query.

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com El Paso, (FAR WEST) TEXAS

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 17 Jan 2001 15:35:38 -0500

From: "Dave Benham" <dodgeboy@mindspring.com>

To: <qrp-1@Lehigh.EDU>

Subject: [88859] Re: OT:Shortwave jazz

Message-ID: <00d701c080c5\$0e577860\$30d179a5@hqa.chrysler.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

WPE8BUI here. Also a member of the National Radio Armchair Listeners. I still have the certificates for both.

Dave K8TRF

----- Original Message -----

From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, January 17, 2001 12:16 PM

Subject: Re: OT:Shortwave jazz

> > 72, Paul NA5N

> > (WPE0DRZ - 60's SWL trivia)

>

> WPE8HND. Gotcha! Whatever happened to that Popular Electronics

> SWL club, anyway?

>

> -- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>

> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg

> QRP-L #2124

<http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 15:47:08 EST
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Subject: [88860] Home Brewing Really Open-Wire Feedlines
Message-ID: <8.f097c4c.27975ecc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Given that today's manufacturers of balanced feedlines choose to ignore the lessons of history, the homebrewer has a ready opportunity to go one better. Since feedlines need never be under tension (which is not the case of a wire antenna), tensile strength, longitudinal elasticity and, to a lesser extent, weight are not important factors. Nor is it likely that the feedline will be rubbing against a surface, so abrasion resistance is not a consideration. Solid copper wire is the sensible choice for the conductors. Nos. 12 and 14 awg (American Wire Gauge) offer a good balance between weight, rf efficiency, strength and cost. Either will easily handle a kilowatt of high frequency rf.

It is desirable, but not essential, for the wire to be insulated. A layer of green copper oxide in intimate contact with the wire will not greatly affect its performance as a conductor of rf any more than will other coverings, (but this is not true for stranded wire). PVC coverings, which are used for house wiring, are quite resistant to ultraviolet radiation and wet and freezing climates. However, the insulation does add considerably to the weight (without much improvement in the wire's strength), and of course the diameter of the conductor is considerably increased. As for rf performance, encased in thermoplastic, a single conductor will have a velocity factor slightly less than 1.00, and this means a small degradation in its rf performance. [When an antenna is involved, the lower velocity factor will slightly reduce the length at which resonance occurs. The thicker the insulation, the less the velocity factor. Slip a hot dog over a 70 cm quarter-wavelength antenna and you'll really drop its resonant point, as well as its efficiency to radiate--might be a clever way to cook the beast]. There are insulations with about the same bulk as PVC which are a bit less heavy and stronger. Some of these are polyethylene, and they may additionally have an outer nylon jacket. They are particularly worthy for insulating antenna wire, but for feedlines, where tensile strength and abrasion resistance are not considerations, such insulations are unnecessary.

As for what is generally termed enameled wire, one needs to appreciate that it is not manufactured for antennas or feedlines. Rather, such wire is designed, almost exclusively for transformers and winding the armatures and

field coils of electric motors and generators. Here what is needed is an insulation which will not crack when wound with a small radius, whose abrasion resistance is such that it will withstand being rubbed by adjacent turns during the winding process, and frequently it must withstand high temperatures. Obviously, such enamel insulation is not designed to be stretched over long, straight runs, nor to resist acid rain, bird droppings, and especially, the sun's ultraviolet radiation. Some of the "enamel" coatings may turn out to be very hardy outdoors. The only way to determine this is to hang a 50 or so foot length between two trees and examine its condition after a few months. Unfortunately, the best "enamel" insulations (and I believe they contain nylon) are very costly.

One less expensive approach is to stretch a couple of lengths of bare wire between the trees and apply an outdoor paint designed to adhere to metal. High quality marine varnish works well on wood, but adheres less well to metal. There may be epoxy coatings which will work. Application is quickly done by running a brush sideways along the wire. Three or four coats may thus be applied with minimal effort.

Bamboo offers excellent strength compared to its weight, and it is very inexpensive. It works marvelously as a feedline spreader. A bag of 500 chopsticks, each about 8-inches long cost me US\$7.00 at an Asian grocery. Discarding the tapered ends (but save a few of these to help wind your toroidal inductors) meant that each chopstick provided for two 2.5-inch long spreaders. The chopsticks vary in diameter and straightness. I used a drill bit gauge to select the largest ones and eyeballed for straightness. I threw out about a quarter of the purchased stock. Cutting the spreaders to length was done by first scribing them with a tubing cutter and then using a razor saw.

A feedline's characteristic impedance should be constant throughout its length. The two principal determinants of this are conductor diameter and inter-conductor spacing. The latter's constancy is what you need to control.

Using a razor saw, cut one spreader end to a depth of 0.25 inch. Repeat this at the other end, making sure that the second slit is parallel with the first; this is easy to do if you shove a piece of cardboard into the first slit to help you visually line up the where you will saw the second slit. With dividers set to a two-inch width, verify the same distance between the bottoms of the slits. Enlarge the slits with a piece of broken hack saw blade (and perhaps a flat needle file as well) so that the wire will force fit, spreading the two halves of the slitted spreader apart without breaking them. Remove the wire, and at the base of the slits use an appropriately sized drill bit held in a pin vise to drill by hand a hole which press fits around the wire.

This process can be speeded up using an electrically-powered saw [which may not always be possible in California], but, hey, this a qrp approach, and once you've got your hand tools properly sized, you can move along at a fair

clip. Use mass production techniques, e.g., cut all your spreaders to length before notching their ends.

When all your spreaders are made, drive out all the moisture by baking them in a 180-degree F. oven for 24 hours. Then, using a coarse kitchen strainer, dunk the lot, while they are still warm, into a linseed oil mixture thinned with mineral spirits, which has been heated over boiling water. When dry, dunk them into a marine varnish mixture thinned with mineral spirits. Repeat this twice more with a less thin mixture. Vigorously shake the spreaders after each dunking so that the end notches won't become clogged when the spreaders dry. Clean up the kitchen! Don't skimp on the quality of the varnish--a quart of the marine-grade stuff goes for over US\$20, but it should handle all the spreaders you're likely to make in this lifetime.

Stretch your feedline conductors, in this case spaced two inches apart, tightly between two trees. Then snap the spreaders, some of which may have needed their notches to be cleaned of dried varnish with a hack saw blade, into place. Longitudinal spacing of the spacers is a subjective choice--the fewer the better because dielectric effects are minimized, but the conductors must stay parallel to preserve a constant impedance throughout the feedline's length. In one instance, I chose a sequence of spacings of 11, 7, 10, 8 and 9 inches, repeating this sequence throughout the feedline's length. The staggered spacing was to minimize periodicity. [What's periodicity? No, Virginia, QRP-L isn't about women's health! Rather it's a bit of arcane feedline lore known in the 1930s, viz. Frank Jones' Antenna Handbook, but completely overlooked today. It's a bigger deal at vhf than at hf, but, what the heck, staggered spacings may also reduce mechanical, as well as electrical, resonances in the feedline].

To preserve the feedline's electrical integrity, don't use metal tie wires. I use ten-inch lengths of 50-pound braided Dacron kite line. The knot employed is the constrictor knot, applied to each outer end of every spreader, then crossing the conductor to place to the inside of the conductor an additional hitch around the spreader. Trim the ends of the Dacron ties to a half inch and coat the knots with marine varnish.

The foregoing feedline, using no. 14 awg copper wire, probably has a characteristic impedance of about 490 Ohms. The exact figure is of no consequence [so-called 450-ohm window pane ladder line is about 390 ohms dry, and less when wet]. Spacing between the conductors is your choice, but remember that at vhf, where the physical spacing becomes greater in wavelength terms, with wide spacing the feedline starts to behave more like an antenna than a feedline. Conversely, at hf, too-narrow spacing, as the feedline conductors lose their "separateness", causes the "balanced" feedline to take on more the rf electrical qualities of a single conductor. The important qualities of my feedline are that it is 98-percent open, and with that much of the dielectric being air there's no perceptible increase in SWR when wet. The conductors are strictly parallel and without metallic tie

wires, so there are no loss-causing impedance "bumps". And, best of all, it is home brewed to a standard of excellence that the commercial manufacturers don't seek, and may not know how, to attain.

Charles, W2SH

Date: Wed, 17 Jan 2001 16:04:15 -0500
From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88861] Antenna Restricted
Message-ID: <0E76mLFQG101s7hpJm800000720@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know I'm opening up a can of worms here, but I'm willing to run the gauntlet!

I live in a condo and have the usual antenna restrictions associated with all that comes with living in a condo. 15 and 40 meters are my favorite bands... 15 meters is not an issue. I have a nice "invisible" ground plane on my balcony sliding glass door (10ft x 5ft) and it fetches me some nice contacts on the weekend. 40 meters is the issue. Right now I'm using a mobile whip mounted to the balcony railing along with 2 radials that are all over the place.... Believe it or not, I can qrp... I get out around 1500 miles or so sometimes. If cx are good and it's 3:00am on the East coast, I can hit CA but RSTs are in the 4s. I'm sure I can find something more efficient.... I'd like to hear from the group on the following ideas:

1. A shortened 40 meter dipole. Spi-Ro makes one that's 38 feet long or W9INN will make me one for my available space. Since I'd only use it at night, I figured I could hoist it up and down to a height of about 30-35 off the ground in an inverted v config on the balcony. With black wire, noone would see it.
2. Isotrons (I've never seen any of you guys using one, so I'm hesitant)
3. An Outbacker (seems really expensive for a little higher Q)
4. A screw driver antenna mounted to the railing (take advantage of the higher Q)
4. Vern Wright's latest portable antennas at www.superantennas.com (NorCal)
5. A sloping end fed wire about 30-40 feet long, with suitable counterpoises...?

Any thoughts? What do some of you use that are antenna impaired?

Thanks,

Larry-N2ICZ

Date: Wed, 17 Jan 2001 13:11:08 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [88862] Current Draw in K1, Interesting Results
Message-ID: <01c080ca\$0323c980\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, as you know I have been doing a survey on the current draw in a K1. Why? Well, when I finished mine, I did the measurements and was surprised at my results. I expected them to be much lower as the kit is advertised as a backpacker rig. The specs in the manual say that receive current draw is 50mA with no signal. My results were 59 mA with no signal, an 18.4% difference, which is much more than I anticipated. Then I measured the current drain when I was receiving what I call a nice strong signal, say 599, and had the af gain set at 12 o'clock. Wow, it was now 67 mA, which is 34% more than the no signal level quoted in the manual. Hmmn. I wondered what the difference was going to be with the speaker on the same signal, same setting of the audio pot, and it was 120 mA!! That was 140% more than the manual figure! Maybe I had made a mistake in building my kit? But it tested out normal and seemed to work fine. Ahh, I would use qrp-l to do some research and see what other builders out there were getting. First, though I would have to try and get the same settings and conditions as close as possible. I came up with setting the pot at 12 o'clock (which should have been mid range) and requested 3 readings for the results. No signal, strong 599 type signal with headphones, and the same signal using the K1 speaker. I posted the request to the list and also had the same request posted to the Elecraft reflector. There are about 500 K1 kits sold so far (my serial number was in the high 400's and I got my kit 2 weeks ago.) and I expected lots of results and data points. In fact, I even told my science classes about the experiment, and told them that we would use the results as an example of doing research over the internet.

Boy was I disappointed in the response. Only 6 responses out of 500!! Here are the results of that survey:

No Signal Current: 58.33 mA
Headphone with strong signal = 76.7 mA
Speaker with strong signal = 107.1

What does that tell me? Well I feel a lot better about my readings now, as they seem to be right in the ball park of the rest of the guys. Granted, there was no signal strength standard, and the results are not perfect, but they are real world and they have value.

What have I learned? First, the specs quoted in the manual are for best case scenario and in this case are for no signal present. I don't listen to my radios unless there is a signal, so it is not very relevant to the real world. I am not bashing Elecraft here, as I think that this is a common way to spec receiver drain. I wish that we could have a standard that shows us current drain with respect to a signal level input and audio output of a radio. It would mean much more than what we have now.

Second, I did not realize how much more current drain there is with a speaker than headphones. I sure do now. There is no spec in the manual for this, and I would imagine that was done on purpose, as the rig is advertised as a backpacker radio. Don't think I would want to do much listening with the speaker if I was a long way from home and did not have a lot of batteries.

Third, I probably now know why my K2 ate batteries. I never suspected that using the speaker could use so much more current than headphones. Don't have a K2 any more so I can't measure the difference but I bet it is significant. I did use the speaker when I was having problems with the low battery life. I know, dumb, but I didn't know then what I know now, education costs (Dr. Charles Adams, NorCal meeting August, 1993). Radios with built in speakers have a high current overhead when you use that speaker. There is no free lunch.

In summary, I wish that rig manufacturers would use a different way of specing current drain in receivers that was more real world like. I also wish that if they have a speaker in the rig that they spec current drain with headphones and with the speaker. My thanks to the guys who sent me data, you are appreciated. I just wonder why only 6 out of 500 responded??

Jim Duffey is working on a test and equipment to do same to compare current drain in rigs. He will do it at Arkiecon in April. Should be fun.

72, Doug, KI6DS

Date: Wed, 17 Jan 2001 16:23:15 -0500
From: "ZOOM" <kandRparker@sympatico.ca>
To: <n2icz@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88863] Re: Antenna Restricted
Message-ID: <00ad01c080cb\$b43baca0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Build a slinky dipole and hang it out the balcony. You can twist it in any direction. Use an antenna tuner to tune it and there you go! Cheap and works well.

Cheers,
Robert
VE3RPF

----- Original Message -----

From: Larry Spinner <n2icz@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 17, 2001 4:04 PM
Subject: Antenna Restricted

> I know I'm opening up a can of worms here, but I'm willing to run the
> gauntlet!
>
> I live in a condo and have the usual antenna restrictions associated with
> all that comes with living in a condo. 15 and 40 meters are my favorite
> bands... 15 meters is not an issue. I have a nice "invisible" ground
plane
> on my balcony sliding glass door (10ft x 5ft) and it fetches me some nice
> contacts on the weekend. 40 meters is the issue. Right now I'm using a
> mobile whip mounted to the balcony railing along with 2 radials that are
all
> over the place.... Believe it or not, I can qrp... I get out around 1500
> miles or so sometimes. If conditions are good and it's 3:00am on the East coast,
I
> can hit CA but RSTs are in the 4s. I'm sure I can find something more
> efficient.... I'd like to hear from the group on the following ideas:
>
> 1. A shortened 40 meter dipole. Spi-Ro makes one that's 38 feet long or
> W9INN will make me one for my available space. Since I'd only use it at
> night, I figured I could hoist it up and down to a height of about 30-35
off
> the ground in an inverted v config on the balcony. With black wire, no one
> would see it.

>
> 2. Isotrons (I've never seen any of you guys using one, so I'm hesitant)
>
> 3. An Outbacker (seems really expensive for a little higher Q)
>
> 4. A screw driver antenna mounted to the railing (take advantage of the
> higher Q)
>
> 4. Vern Wright's latest portable antennas at www.superantennas.com
(NorCal)
>
> 5. A sloping end fed wire about 30-40 feet long, with suitable
> counterpoises...?
>
> Any thoughts? What do some of you use that are antenna impaired?
>
> Thanks,
>
> Larry-N2ICZ
>
>
>

Date: Wed, 17 Jan 2001 16:27:26 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88864] 070 Club issues QRP Endorsement
Message-ID: <000b01c080cc\$4a66aae0\$6a11a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Some on the list may be interested in the following

Attention PSK31 QRPer's...a new endorsement is now available...go to the
7 website at < <http://hometown.aol.com/n3dqu/podxs070.htm> > for more
info...73 de Jay, N3DQU.

72 Dave KC1DI
070 Club # 006

Date: Wed, 17 Jan 2001 16:29:25 -0500
From: Rick Robinson <rrobbins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [88865] Hearing CW in strange places
Message-ID: <v0310280fb68bbd395e36@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Last week my wife and I were in a restaraunt when I start hearing CW. My wife wondered what the puzzled look on my face was all about. I was clearly hearing what must have been a cell phone sending "PEOPLE" at 15 WPM or so.

Yesterday afternoon while walking to the parking deck after work, I hear "INS" being sent twice.

I remember a thread a year or so ago about Maarti Laine, OH2BH, being the president of Nokia and that Nokia cell phones could be set to send CW when ringing. The thread was started by a ham while on a bus was hearing "CQ DX" and thought he was losing his mind.

Anyone else hear CW in strange places?

72,

Rick kf4ar

Date: Wed, 17 Jan 2001 15:30:42 -0500
From: "W5TB - 'Doc' Drake" <w5tb@softhome.net>
To: <n2icz@hotmail.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [88866] Re: Antenna Restricted
Message-ID: <B68B6B21.68F2%w5tb@softhome.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

on 1/17/01 4:04 PM, Larry Spinner at n2icz@hotmail.com wrote:

> I know I'm opening up a can of worms here, but I'm willing to run the
> gauntlet!
>
> I live in a condo and have the usual antenna restrictions associated with

> all that comes with living in a condo. 15 and 40 meters are my favorite
> bands... 15 meters is not an issue. ...

some remembrances from my apartment and townhouse days

1 - I'd operate portable from a nearby park when weather cooperated on weekends - especially during contests.

2 - 33' sloping wire for 40 - 10 -- I'd put it up at night using a small 'hook' I'd placed at the top of a third story stairwell. Took just a minute or two. Counterpoise ran around baseboards inside of our apartment. used a simple L network tuner.

3 - 'random' wire out window and tacked along eaves -- used very small wire.

4 - 75' of coax buried in a garden hose running to a small patch of trees where I put up a G5RV. Trick is burying the hose without notice -- I picked a time they were doing some construction, put on my overalls and...

5 - 40 meter dipole mounted on telescoping pole on my pickup camper in an apartment parking lot -- made a cozy ham shack using a ten tec pm3 but resulted in a visit from city police and a threatened eviction by manager for violation of city code against 'occupying' a travel trailer.

you may find other ideas at:

<http://www.uga.edu/~barc/ccindex.html>

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@arrl.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
FPQRP # 128 SOC # 396 ARRL Life Member licensed & active since 1959

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@arrl.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
FPQRP # 128 SOC # 396 ARRL Life Member licensed & active since 1959

Date: Wed, 17 Jan 2001 16:38:50 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu

Subject: [88867] Many thanks to Chris opr VE7HCB here's the URL's
Message-ID: <97.ff3f471.27976aea@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks to
Chris opr VE7HCB he located the site for me
Found this site <http://www.qth.com/dwm/catalog.htm>
and this <http://www.qth.com/dwm/ant-tuner.htm>

both appear to be the same. Are they what you want??

Some more to keep you busy!

<http://www.hard-core-dx.com/nordicdx/antenna/special/tuner.html>
<~~On this page there are very small links on the bottom of the page.

This URL will take you direct to the site where I found antenna info that
some did not agree with. About a weeks reading on this page.

<http://home.inforamp.net/%7Efunk/page6.html>

Bob

WA2HQrp <tm>....Thanks for the help Chris.

Date: Wed, 17 Jan 2001 16:00:44 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [88868] RE: Hearing CW in strange places
Message-ID: <000001c080d0\$f1b68f00\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I remember after my first Novice Roundup, 20+ years ago, I was hearing CW
from the TV, the refrigerator, the alarm clock, the toilet....I had just
spent 12 hours on CW. I was brain dead....

72/

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Rick Robinson

> Sent: Wednesday, January 17, 2001 3:29 PM
> To: Low Power Amateur Radio Discussion
> Subject: Hearing CW in strange places
>
>.....
> Anyone else hear CW in strange places?
>
> 72,
>
> Rick kf4ar

Date: Wed, 17 Jan 2001 15:01:45 -0700 (MST)
From: Brian Milesosky <n5zgt@swcp.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [88869] REI LED Headlamp
Message-ID: <Pine.GS0.4.10.10101171447290.12223-1000000@inago.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

H All,

Since there is occasional talk about LED lights, I thought I would mention a neat headlamp I received as a gift (sorry if it was already recommended on the list).

REI sells the Princeton Tec Matrix LED Headlamp, which has four bright white LEDs and lasts 40 hours on regular AAs, or over 100 hours (continuously) on lithium AA batteries (the lamp requires two batteries). It sure beats the included incandescent bulb, which will suck up your batteries in about 2 hours.

It's nice and comfy (weighs 5 1/2 ounces), although your depth perception seems to go out of whack slightly for a while when you first walk around the woods at night with it on (can anyone explain why this is so? It's interesting...and funny).

Head over to REI's website at www.rei.com and do a search on "LED Headlamp". This might be a good buy for handsfree light while you are contesting in the woods (or anywhere in the dark for that matter).

BTW...I have no connection with REI, other than giving them my money every once in a while for new toys.

72,
Brian, N5ZGT

Albuquerque, NM

Date: Wed, 17 Jan 2001 16:03:24 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <jamesgelbort@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88870] Re: Depressing shack accessory
Message-ID: <00c501c080d1\$544370c0\$0300a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ah, not so sure about that, Jim. Such a reminder to her, may cause an adverse affect on the time allotted for the rest of YOUR life.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----
From: "Jim Gelbort" <jamesgelbort@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 17, 2001 11:08 AM
Subject: Re: Depressing shack accessory

> Many thanks, Rick.
>
> I've been looking everywhere for a perfect birthday present for the XYL as
> she crosses the half-century mark.
> Problem solved (partially, at least)!
>
> Jim N9WW
>

Date: Wed, 17 Jan 2001 17:12:34 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Bill Read <cbanodak@email.msn.com>, "(Richard Farley" <dsbfrf@btigate.com>,
"Holly A. Lindsey" <71153.2525@compuserve.com>,
John Miller <dsbfjm@btigate.com>, "Steve (DSBF) Osage" <dsbfsro@btigate.com>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, ".QRP-L Discussion
Group" <QRP-L@Lehigh.edu>
Subject: [88871] Goomb's *NOT* coming to Encounter 2001
Message-ID: <200101171714_MC2-C225-64A6@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Bill and Richard:

Ron Goombi called me about 3:00 this afternoon. He and Alpha will not be=

able to attend Encounter 2001 this year, as she has taken a job which
precludes it. Just wanted to pass this work along ASAP, for your plannin=

g.

--Doc Lindsey

Date: Wed, 17 Jan 2001 16:18:05 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [88872] Re: Hearing CW in strange places
Message-ID: <3A661A1D.7045A9C2@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, Nokia cell phones send morse code under some conditions. One
of the messages is something like "People in service to people",
which would explain what you've been hearing.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 17 Jan 2001 17:18:20 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-l@lehigh.edu, njqrp.njqrp.org@IMGate1.snip.net

Subject: [88873] 80M loop up, finally!
Message-ID: <XFMail.010117171820.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Finally got a good day, and finished putting up the 80M FW loop I was interrupted doing a month ago by falling off the roof.

Sitting here now with the PSK80, listening to W1AW. Will try some PSK later on 80M.

Compared to my dipole on 40M, the loop seems quite a bit better on received signals on that band. Seems much quieter, too. We'll see if it was worth the bruises!

John W2AGN

|_|_|_|<_>|. |/_> | \ | John L. Sielke w2agn@pobox.com w2agn@qsl.net
|_|_|_| / / | | | <_/ \ | NJ Grid:FM29LN <http://www.qsl.net/w2agn>
|_|_|_| / <_>|_|_|_|'_____/|_|_|_| NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
EX-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
SOC #390, fpQRP, ARLHS, 00TC, Elecraft K2 #00023 K1 #00146

Date: Wed, 17 Jan 2001 16:06:03 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <W2SH@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88874] Re: Home Brewing Really Open-Wire Feedlines
Message-ID: <010f01c080d3\$6f6dde60\$0300a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Charles, in case no one else has said so, I do want to say that this is an outstanding piece you wrote. I've saved it and am going to print it out for permanent reference.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle

"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: <W2SH@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, January 17, 2001 2:47 PM

Subject: Home Brewing Really Open-Wire Feedlines

> Given that today's manufacturers of balanced feedlines choose to ignore the

> lessons of history, the homebrewer has a ready opportunity to go one better.

>

> Charles, W2SH

Date: Wed, 17 Jan 2001 16:24:21 -0600

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <qrp-1@Lehigh.EDU>

Subject: [88875] Corrosion on stranded wire, or Antenna, does it REALLY impede radiation?

Message-ID: <022101c080d4\$3d1bad60\$5ac07481@rohredt2000>

Some interesting opinions have been expressed about not using stranded or corroded wire for transmission line or antenna conductors, and this is something that I have wondered about for years. Is there a significant, measurable effect? The thought was this would disrupt skin effect or radiation from an antenna wire. Also of concern was use of steel antenna conductors which would include copperweld wire. Yet, copperweld is the preferred wire construction per ARRL antenna books for large dipoles.

Also, I now have to point out that aluminum beams corrode, (oxidize) almost immediately upon being put up outside, as does any aluminum antenna. But most seem to keep on working. Our Austin club station, W5KA, has had the same Mosley TA 33 up since 1976, and other than replacing coax, it has functioned with good results to a lot of DX QSOs for those 24 years, and is surely by appearance, oxidized as all beams do. This past weekend, it was used in the PSK 31 test on even 30m, and was detecting the 1 watt transmissions of ARRL. Of course, we do not transmit on it at 30m, but regularly do good QSOs on 20 thru 10m.

For several years, we have used pvc insulated house wire, (14 gauge solid), as antenna element conductor for Double Zepp dipole field day antennas, and it seems to work quite well. IE, high scores, most sections worked, DX

worked trans Pacific at 5 watts SSB.

Also at field day, for an even longer period of time, 5 years, we have used very loosely stranded no. 16 gauge copper wire to make 10 wavelength Vee beams, and last June, a 1.5 wave Loop which worked more sections than ever with the loop at only 20 feet high over a football field. The copper wire oxidized the first year, as it rained on it during assembly, and has not been cleaned since. Connections are made to it each year by wire nuts, which does clean the feedline attachment point. Feeders have been copperweld window ladder line with not ill effect on getting out with 5 watts SSB.

Unfortunately, in true Field Day tradition, no field strength measurements were made when the wire was new, thus no comparative data exists. But, my question is, does anyone have recent data such as Field strength measurements from say a solid copper wire antenna vs. the same design with stranded wire, or copper weld?

A small field study could be done by using a 10m dipole design, which could be measured in most ham's urban environments, without the full up antenna range most lack. It would make a great story for a QRP magazine. You would need to measure at various distances not just in your own yard.

One should definitely also document the type of near ground and near field features, such as poorly conducting, rocky earth, dense housing all around or whatever. It would be better to take the data at a clear site like a playground or football practice field without large metal structures nearby.

Another issue might be the frequency to use, but you have to start basic studies somewhere.

72,

Stuart K5KVH

Date: Wed, 17 Jan 2001 16:12:37 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-1@lehigh.edu
Subject: [88876] RE: Hearing CW in strange places
Message-ID: <3.0.1.32.20010117161237.00ca25a0@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 16:00 1/17/01 -0600, you wrote:

>I remember after my first Novice Roundup, 20+ years ago, I was hearing CW
>from the TV, the refrigerator, the alarm clock, the toilet....I had just

>spent 12 hours on CW. I was brain dead....

>

>72/

>Kevin, WB5RUE

.....

While learning CW years ago I started hearing it in bird's songs. . . .
.Now with my tinitus I hear it all during my waking ours.

73,

Richard WA4NWW you ought to hear some of the conversations I hear

Date: Wed, 17 Jan 2001 17:39:00 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: n2icz@hotmail.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [88877] Re: Antenna Restricted

Message-ID: <3A661F04.6DD4B735@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Larry,

Back about 5 years I operated from a condo. Antennas were strictly verboten! However I lived there for about 18 years, off and on and had an antenna the entire time. What magic did I do? You can read the entire story in QST for June 1995.

I made an invisible antenna. Now it may not fit your needs because it was designed as a vacation antenna. The condo was my mother's, and I only visited about four weeks each year, so it was designed to be quick up and left to destroy itself in the wind when I left. However I also lived there from 1994 to 1996 when we bought this house so I do have some full time use on it.

I made a wire coil to act as a spool to hold the antenna wire while launching it. I used a large plastic glass and wound about 100 or so turns on it. The wire was held in place with double sided scotch tape. I held it in a small vise. I put weights on the 'far' end and used a Whammo slingshot to launch it into a nearby tree. I usually could get 40 to 50 feet of wire out the window. I used #26 or #28 magnet wire. It was almost completely invisible when in place. The launching process took about a minute. Winding the wire coil took about a half hour.

The only thing I ever worried about was leaving the wire in the trees when I left. I was afraid the lawn crew would discover it in their mowers. Never happened. Maybe I was lucky, maybe they didn't even notice/

All in all the performance was far better than a whip mounted on the balcony. With a whip I would have been only 10 feet above the average terrain. Perhaps if I had been a couple of floors higher it would have worked!

I fed the antenna through a small MFJ tuner. I had very little trouble getting a match below 2:1 on any band. I worked all states and probably about 90 countries at QRP levels over the 18 years. Many contest QSOs and many rag chews. I even worked 80 CW using the antenna! Try it.

Oh, I used a baseboard counterpoise for each band at first and then replaced it with an MFJ Ground Tuner.

73

Larry

Date: Wed, 17 Jan 2001 16:58:17 -0600
From: Bryn Joynes <bryn@pcpractice.com>
To: rerobins@email.uncc.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88878] Re: Hearing CW in strange places
Message-ID: <3A662389.56BB7036@pcpractice.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was hearing CW in a dream last night. It was a QRP contact, and I was surprised that I was copying so well. I have not had it lately but when I learnt code for my 20WPM test I would hear it coming from the silent house at night, especially the heating system.

Best Regards

Bryn Joynes

Bryn Joynes (N4VM EM65L0)

Primary Care Practice, P.C.

bjoynes@collug.org http://www.collug.org ICQ 5656763
bryn@pcpractice.com http://www.pcpractice.com
===== "Wellness is a Partnership" =====

Date: Wed, 17 Jan 2001 23:10:30 +0000
From: Brendan Minish <EI6IZ@oceanfree.net>
To: ka9nzi@arrl.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88879] Re: Hearing CW in strange places
Message-ID: <5.0.2.1.2.20010117230037.00a7c858@mail.oceanfree.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 16:18 17/01/2001 -0600, Gary Lee Phillips KA9NZI wrote:
>Yes, Nokia cell phones send morse code under some conditions. One
>of the messages is something like "People in service to people",

Actually (at least here!) the Nokia Phones all send Either ' CONNECTING
PEOPLE ' or ' SMS ' when receiving a text message. The connecting people
one is the long (and loud!) alert and SMS (which stands for Short Messaging
Service) is the standard alert.

I have owned several Nokia GSM phones and they all use CW for text message
alerts but none had a default CW ringing tone.

Since most of the more recent Nokia GSM phones will allow custom ring tones
there is no reason why you couldn't set up your own CW ringing tone, it
would be better than the mangled Classical music mobile phones tend to ring
with....

Nokia phones also allow you to associate ringing tones with particular
callers (caller groups is the nokia Speak for this) shades of ITS YOUR
MOTHER IN LAW being send in CW, a real time saving feature ;-)

--
Brendan Minish EI6IZ
ei6iz@oceanfree.net
PGP key available from key servers wwwkeys.pgp.net

Date: Wed, 17 Jan 2001 15:19:46 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [88880] Re: Hearing CW in strange places
Message-ID: <000b01c080db\$fd5a020\$5dd5fc9e@oemcomputer>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After seeing everyone else's comments about hearing cw in odd places, I
would only worry if it started to make sense :-)
73, Bob N6WG

Date: Wed, 17 Jan 2001 18:49:38 EST
From: BenNW7DX@aol.com
To: rerobins@email.uncc.edu, qrp-l@lehigh.edu
Subject: [88881] Re: Hearing CW in strange places
Message-ID: <67.e808bb4.27978992@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Rick -

At my highschool, more and more cell phones are popping up all over the
place. A couple weeks ago in math class, I heard CW from someone's backpack!

It was something like "sms people connecting people" It turns out it was
from their nokia phone, signaling an incoming message. Everyone was very
impressed that I could understand morse code :-)
is CW dead?... NO
WAY!!!!

73,
Ben - NW7DX

In a message dated 1/17/2001 1:30:07 PM Pacific Standard Time,
rerobins@email.uncc.edu writes:

<< Anyone else hear CW in strange places?

72,

Rick kf4ar

>>

End of QRP-L Digest 2070
